

CALIFORNIA DEPARTMENT OF WATER RESOURCES

NORTHERN DISTRICT

ENLARGED SHASTA RESERVOIR STUDY

WATER QUALITY SUMMARY

1986

ENLARGED SHASTA RESERVOIR STUDY

Water Quality Summary

The Northern District of the Department of Water Resources was responsible for identifying study needs and developing and conducting water quality and biological studies to allow evaluation of the ecosystem alterations from the proposed enlargement of Shasta Reservoir. These studies were developed to satisfy both State and Federal statutes, as well as to examine the probable principal effects from reservoir enlargement. The California Environmental Quality Act (CEQA) and the National Environmental Policy Act (NEPA) require impact evaluation for any project for which the State or a Federal agency, respectively, have responsibility. The studies undertaken by the Northern District were designed to characterize the present system so that probable impacts associated with enlargement of Shasta Reservoir could be evaluated. Enlargement of the reservoir would inundate several abandoned mines and spoils areas, and a large quantity of organic material (trees, brush, duff, etc.). Inundation of the mines and spoils areas would allow leaching of toxic heavy metals and acids, with subsequent detrimental effects on fish, wildlife, and agricultural users downstream. Inundation of large quantities of organic materials could lead to nutrient enrichment and excessive algal production, and oxygen deficiencies in the lower strata with adverse effects on aquatic life. The studies were designed to evaluate these impacts resulting from inundation. Furthermore, enlargement of Shasta Reservoir could lead to altered temperature and turbidity characteristics in the reservoir as well as downstream in the Sacramento River. Data were to be collected under the study program to allow evaluation of probable effects and for model development and verification by the Bureau of Reclamation.

The study rationale and proposal are attached (Attachment A). Briefly, at Shasta Reservoir seven stations were established with four additional stations at the mouths of the principal tributaries (Pit River, Squaw Creek, McCloud River, and Sacramento River) for physical and chemical analyses (Figure 1). Ten primary stations were established on the Sacramento River below Shasta Reservoir for physical and chemical analyses, with ten additional sites selected for only physical analyses (Figure 2). Parameters sampled monthly at all of the stations included temperature, dissolved oxygen, pH, electrical conductivity, turbidity, and alkalinity. Monthly chemical analyses

at the seven reservoir, four tributary, and ten primary river stations included nutrients and minerals, with heavy metals sampled every other month. Temperature and conductivity recorders were maintained at several of the stations on the Sacramento River.

The study was planned to be conducted in stages, with emphasis on the physical and chemical parameters during the first year, and increasing emphasis on the biological parameters in succeeding years. The biological parameters intended to be examined included distribution and productivity of phytoplankton, zooplankton, and benthic macroinvertebrates, effects of heavy metal and nutrient changes on the food web, and requirements of benthic organisms in the Sacramento River, particularly in relation to temperature and flow.

Funding cuts after the first year of study prevented collection of biological data. Studies on the Sacramento River were also terminated after the first year, but physical and chemical data collection were continued on Shasta Reservoir and the four main tributaries to provide data necessary for the Bureau of Reclamation to complete the modeling studies.

The Department's Bryte Chemical Laboratory conducted the chemical analyses of the samples. The Northern District conducted field analyses using a Yellow Springs Instruments Model 57 dissolved oxygen/temperature meter calibrated using the azide modification of the iodometric method and an ASTM grade laboratory thermometer, calibrated pocket thermometer, Hellige Pocket Comparator and Beckman Digital 110 Meter for pH, Beckman RB3 Solu-Bridge and Beckman RC-19 Conductivity Bridge for electrical conductivity, titrametric method for alkalinity, and Hach Model 2100A Turbidimeter for turbidity. All methods used conformed to the current (1980) edition of Standard Methods for the Examination of Water and Wastewater.

Attachment A contains the study rationale and proposal. Attachment B contains physical data collected from the Sacramento River monitoring stations. Attachment C contains physical data collected from the main tributaries to Shasta Reservoir. Data obtained from profile measurements at Shasta Reservoir are contained in Attachment D, while chemical analyses from both Shasta Reservoir and the Sacramento River are contained in Attachment E. Data obtained from the temperature and electrical conductivity recorders on the Sacramento River are contained in Attachments F and G, respectively.

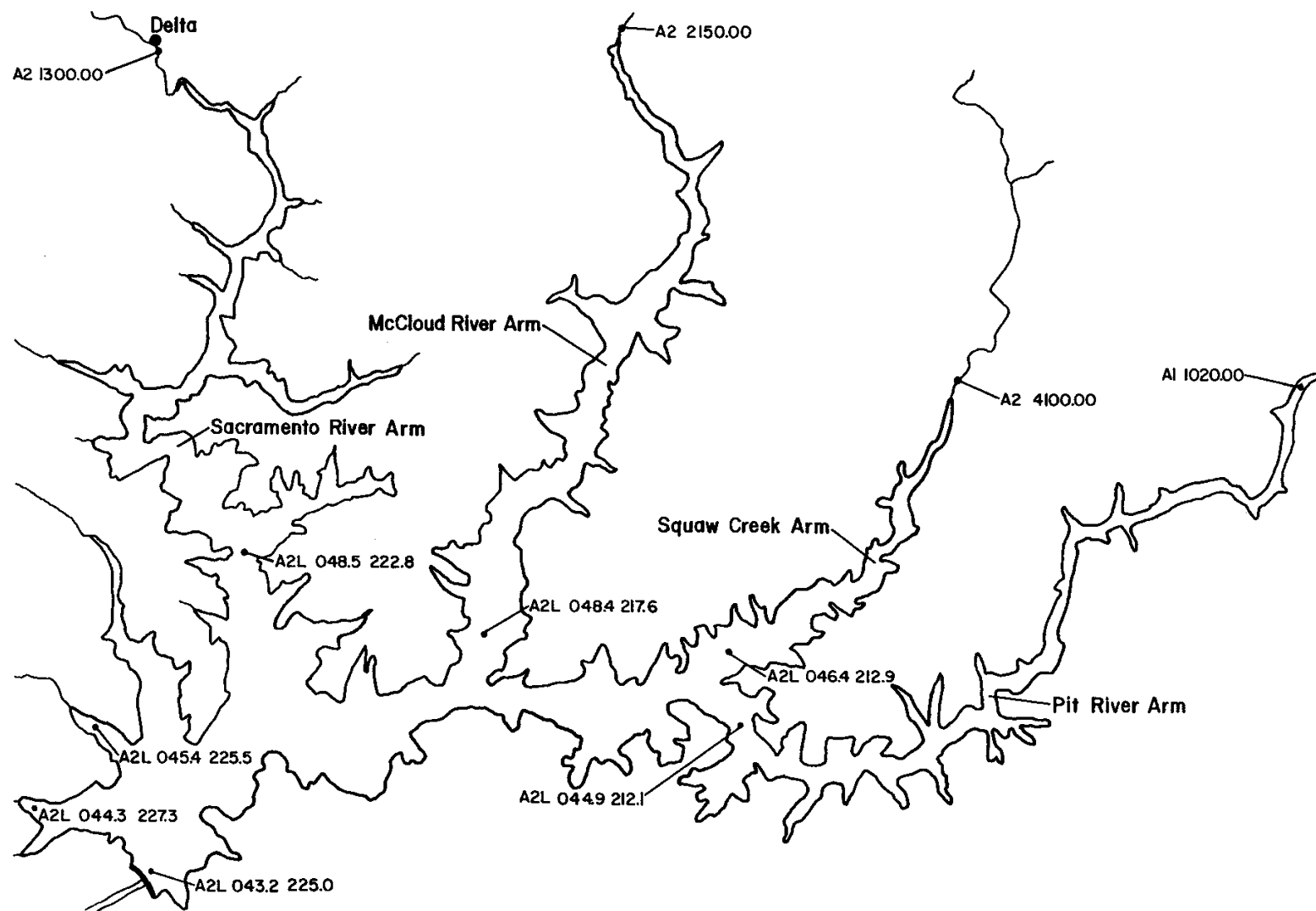


Figure 1. Monitoring station locations of Shasta Reservoir.

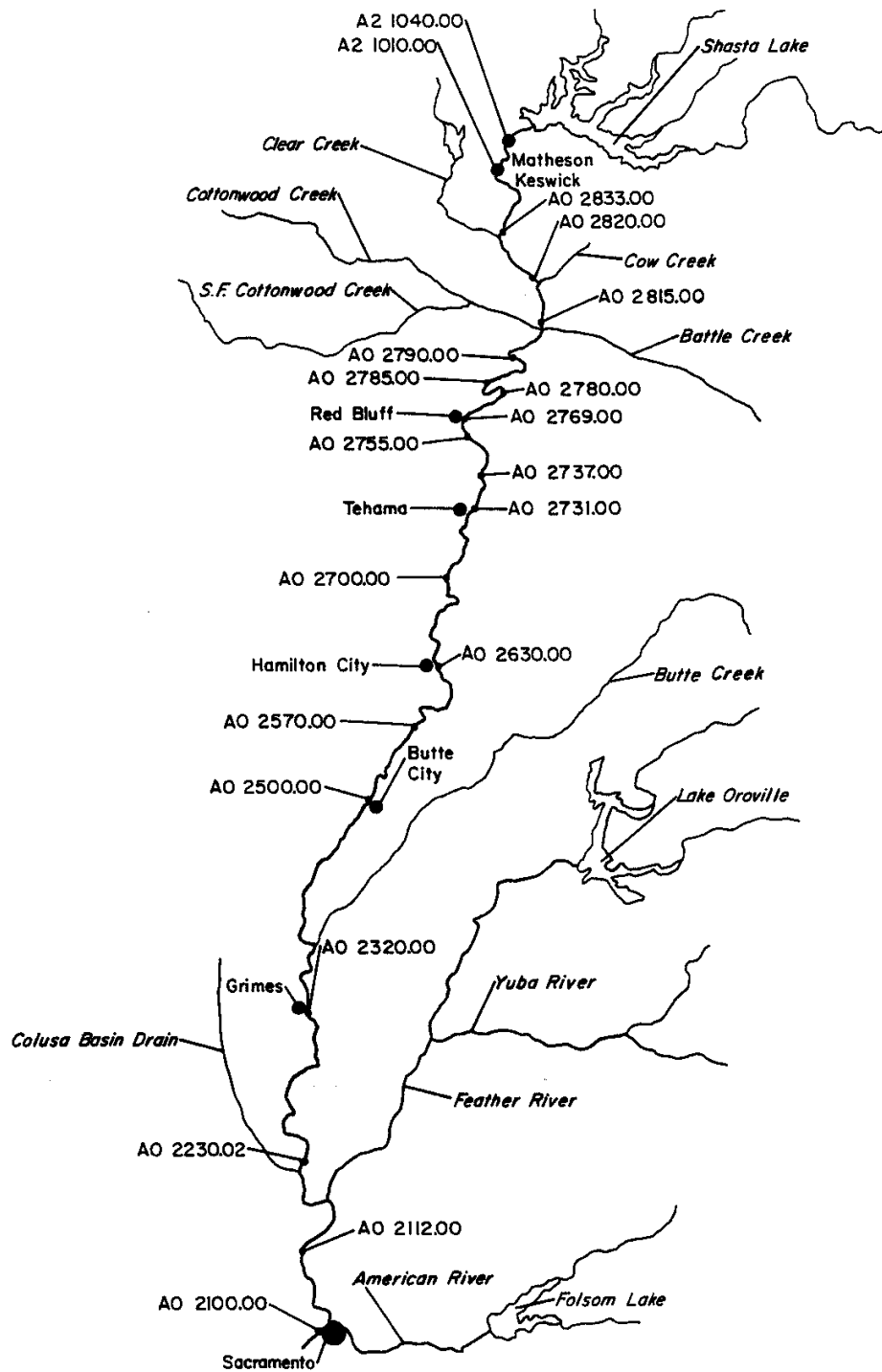


Figure 2. Monitoring station locations on the Sacramento River.

ATTACHMENT A

STUDY RATIONALE AND PROPOSAL

INTRODUCTION

Enlargement of Shasta Reservoir poses concern for several water quality and related biological problems. One of the principal water quality concerns is the inundation of old mines and mining waste dumps. These areas are laden with acids and heavy metals, predominantly iron, copper, and zinc bearing materials. The solution (leaching) of these materials following inundation and transport into Shasta Reservoir, the Sacramento River, the Delta, and ultimately to water users poses substantial concern for detrimental impacts on fish, wildlife, and agriculture. Fish kills have periodically been reported from Shasta Reservoir, some of which have been associated with inflow of mine drainage. Dead fish not associated with effluent inflow are believed to have succumbed due to unidentified limnological conditions, such as low dissolved oxygen levels. Certain fish stocks in the reservoir appear to be declining and have led the Department of Fish and Game to introduce the Florida strain largemouth bass in an attempt to revive the largemouth bass fishery. The exact cause of the fishery decline has not been identified. Possible causes include toxic inhibition (primarily by copper) of algal production which forms the basis of the food chain; loss of nutrients important for primary production through binding in bottom reservoir sediments or being released from the hypolimnion during summer stratification through the turbine intakes; inadequate secondary productivity of zooplankton and aquatic macroinvertebrates possibly due to heavy metal inhibition or excessive grazing pressure; and direct toxic effects of metals on various life stages of fish. Enlargement of Shasta Reservoir may aggravate or ameliorate water quality problems already present through changes in concentrations of acids and heavy metals, increased turnover times for nutrients in bottom sediments and the hypolimnion, alteration of the physical habitat of biological organisms necessary to maintain the fishery, and, at least for the first several years, increased organic loading which may lead to oxygen deficiencies upon decomposition in the hypolimnion, excessive algal production, and general impairment of aesthetic, recreation, and other beneficial uses.

In order to adequately assess possible impacts of an enlarged reservoir and to properly plan enlarged reservoir features to avoid as much as

possible impacting downstream resources and beneficial uses, it is necessary to understand the present system. This includes sources and sinks of nutrients, minerals, and acid and heavy metal effluents; effects of inflowing effluents on biological organisms in open water as well as bottom sediments; distribution, movements, abundance, and productivity of organisms forming the basis of the food web, including phytoplankton, zooplankton, and benthic macroinvertebrates, in relation to the physical and chemical parameters existing in the reservoir; and physical cycling of the reservoir, including stratification, turnovers, and seasonal and diel fluctuations in parameters such as dissolved oxygen, temperature, pH, conductivity, and turbidity.

Alterations of water quality and biological productivity from an enlarged reservoir will cause impacts on downstream resources that must be evaluated. Of primary concern, from the viewpoint of the Department of Fish and Game, are the impacts of possible altered temperature and turbidity regimes on fish resources. Other river water quality parameters that could be altered by enlarging the reservoir are dissolved oxygen, nutrient/organic material levels, and heavy metal concentrations. Increased productivity during the first few years of enlarged reservoir operation may lead to river releases of water devoid or low in dissolved oxygen, rich in nutrients and organic materials, and laden with toxic heavy metals. River temperatures may also be altered from those presently occurring depending on location of intakes. Lower winter river flows below the reservoir and higher summer flows may impact gravel and sediment transport capabilities. Impairment of the ability of the river to support a fishery, either through direct effects on fish or indirect effects on organisms essential to fish as food sources, may result from river water quality alteration. The magnitude of possible effects and the extent down river that they may occur can be evaluated by conducting the previously described reservoir studies and conducting studies to define the present water quality and lower food web organisms, mainly macroinvertebrates and periphyton, in the Sacramento River below Shasta Reservoir.

Enlargement of the existing reservoir will inundate areas that may possess organisms that are of significance due to rare or endangered status.

The Shasta crayfish (Pacifastacus fortis), the Shasta salamander (Hydromantes shastae), and a sunflower (Eupatorium shastense) are all rare species known to exist in the area affected by an enlarged Shasta Reservoir. The effects of enlarging the reservoir on these and other aquatic invertebrates and plants needs to be ascertained. The Department of Fish and Game is developing a program to determine the impacts of enlarging the reservoir on reptiles and amphibians, and rare or endangered invertebrates. Therefore, though possessing appropriate personnel, the Water Quality and Biology Section will not pursue studies relating to impacts on rare or endangered reptiles, amphibians, or invertebrates.

As alternatives to the enlargement of the existing reservoir become clarified, impact evaluation will become necessary. Such alternatives may include construction of new dams below or above the existing dam. These can be expected to have impacts in the areas where construction occurs and may also alter water quality.

METHODS

Reservoir Limnology

Physical

The objective of this portion of the study is to determine the physical limnological conditions that exist in the present Shasta Reservoir. The information derived will be used to aid in interpretation of other studies designed to define the chemical and biological limnological processes, both within the reservoir system and the Sacramento River below the reservoir, as well as to predict the physical limnology of an enlarged reservoir.

Eleven stations will be established to compare physical processes at various locations in the reservoir and major tributaries. These data will be used to determine the general water quality conditions present in various areas of the reservoir. Water column parameters to be monitored include water temperature, dissolved oxygen, pH, conductivity, alkalinity, turbidity, light penetration (secchi disc and photometer), and light transmission at depth (transmissometer). Stations will be monitored for these parameters at monthly intervals for the initial year of study. This schedule may be modified for subsequent study years as the data may indicate.

Chemical

The objective of this portion of the study is to determine the chemical limnological conditions that exist in the present Shasta Reservoir. This information will be used to determine the present biological productivity potential, concentrations and fates of heavy metals in inflows, chemical cycling between the bottom sediments and overlying water, and to predict the chemical limnology of an enlarged reservoir.

Samples for nutrient, mineral, and heavy metal analyses will be collected from surface and bottom waters during surveys from the monitoring stations. Nutrient analyses will include dissolved nitrate and nitrite, dissolved ammonia, total Kjeldahl (ammonia and organic) nitrogen, dissolved orthophosphate, and total phosphorus. Mineral analyses will include dissolved calcium, magnesium, sodium, potassium, sulfate, chloride, and boron, as well as total dissolved solids and alkalinity. Heavy metal analyses from the monitoring stations will include total arsenic, cadmium, chromium (all

valences), aluminum, lead, mercury, nickel, selenium, copper, iron, manganese, and zinc. After the first year of monitoring, analyses will be reduced for all but a few indicator elements and those that present water quality problems as long as general indicators (EC, alkalinity) remain unchanged from samples collected during approximately the same period the year before. Monitoring stations for heavy metal analyses may be modified after the first year of data collection in areas where problem concentrations become identified.

Water samples will be collected from a station below the dam on four different occasions during the first year of study to determine asbestos fiber content. If asbestos is found, further studies will be recommended to determine sources of the asbestos. These data will be used to determine the significance and fate of asbestos production from the watershed.

Sediments from Shasta Reservoir will be collected from the monitoring stations to determine concentrations and general distributions of significant heavy metals. Additional monitoring will be conducted to better define concentrations and distributions of critical elements in areas where the data indicate potential water quality impacts.

Available literature will be reviewed to determine the rate and concentration materials are likely to be cycled from the bottom sediments into the water column. Materials researched will include nutrients, minerals, and heavy metals. This information will be used to evaluate the current chemical and biological limnology in Shasta Reservoir, and to predict the effects of enlargement on reservoir water quality.

Mines and mining waste dumps will be located. Evaluation will be made of these areas of their potential contribution of heavy metals, acids, and other materials to an enlarged reservoir. Methods of dealing with mine spoils will be reviewed and recommendations made to alleviate potential impacts.

Biological

The objective of this portion of the study is to determine the biological limnological conditions that exist in the present Shasta Reservoir. The information obtained will be used to determine the distribution and productivity of phytoplankton, zooplankton, and benthic invertebrates,

and the impacts of heavy metal and nutrient changes and reservoir enlargement on these organisms.

Net tows for identification of phytoplankton and zooplankton populations will be taken from the monitoring stations at monthly intervals, and analyzed for phytoplankton and zooplankton distribution, and types and quantity of organisms present.

Bottom samples will be collected beginning the second year of this study from all the monitoring stations on a bimonthly basis to determine the type, quantity, and general distribution of benthic macroinvertebrates. Additional bottom sampling stations will be established to determine the impacts of heavy metal inflows on benthic species composition, abundance, and distribution where the data indicates impacts.

River Limnology

A great deal of information has been generated by various agencies concerning physical, chemical, and biological conditions that exist in the Sacramento River below Shasta Reservoir. Much of this information may be useful in evaluating the overall conditions and suitability of the Sacramento River and to predict impacts from enlarging Shasta Reservoir, but some areas of concern may require additional data for updating or clarification.

The objectives of this portion of the study are to determine the physical, chemical, and biological conditions that exist in the upper Sacramento River below Shasta Reservoir, and to evaluate impacts that may result from reservoir enlargement. Possible impacts include altered temperature and flow regimes and organic or heavy metal loading that may affect the beneficial uses of river water, such as for agriculture or maintenance of the aquatic food web.

The initial portion of the river studies will concentrate on assembling and reviewing data and reports generated by various agencies on water quality and lower food web organisms of the Sacramento River. Following review of the available information, recommendations will be made regarding the need for any additional information required to predict impacts in the Sacramento River that may result from enlargement of Shasta Reservoir. The key concerns are for physical and chemical water quality deterioration,

altered substrate distribution, and effects on distribution and composition of benthic macroinvertebrate communities.

Data presently foreseen as needed include information on general water quality parameters and benthic macroinvertebrate characterization. Monthly surveys will be conducted at ten stations between Shasta Dam and Sacramento to determine the general physical conditions that exist and to enable identification of potential impacts or sensitive areas requiring more in-depth study. Emphasis will be placed on that portion of the river lying in the Redding basin, since this is where the most significant impacts are likely to occur.

Water quality samples will be collected monthly from all the stations. Parameters analyzed from the samples will be the same as those analyzed from the reservoir samples. Temperature and electrical conductivity recorders will be placed at the upstream stations plus additional stations to enable determination of the zone of influence of release waters. Diel studies will be conducted in the spring, summer, and fall periods to determine fluctuations in the physical water quality parameters. Benthic samples will be collected initially from the monitoring stations. Additional benthic monitoring stations may be required if changes in community structure between stations is apparent or water quality parameters between stations are significantly different.

ATTACHMENT B

SACRAMENTO RIVER MONITORING STATIONS DATA

SACRAMENTO RIVER
ENLARGED SHASTA DATA

Sta. A0 2100.00 Sacramento River @ Sacramento

| Date | Time | Temp. (°F) | | D.O. (ppm) | pH | E.C. (umhos/cm) | | Turb. (NTU) | Alk. (mg/L) | TSS (mg/L) |
|----------|------|---------------|------|---------------|-----|--------------------|------|----------------|----------------|---------------|
| | | Air | H2O | | | Field | Lab. | | | |
| 4-28-83 | 1000 | 63 | 52 | 10.6 | 7.2 | 80 | 72 | 15 | 29 | - |
| 6-16-83 | 1000 | 84 | 61 | 10.0 | 6.9 | 88 | 84 | 12 | 30 | 21.4 |
| 7-14-83 | 1040 | 84 | 65 | 9.2 | 7.2 | 96 | 88 | 7.5 | 36 | 20.1 |
| 8-16-83 | 1000 | 84 | 69 | 8.6 | 8.1 | 100 | 98 | 7.5 | 38 | 21.5 |
| 9-20-83 | 1100 | 79 | 66 | 9.0 | 7.3 | 98 | 88 | 12 | 34 | 72.5 |
| 10-19-83 | 1100 | 68.5 | 61.5 | 9.4 | 7.2 | 79 | 78 | 2.6 | 27 | 16.0 |
| 11-29-83 | 1100 | 60 | 52 | 10.6 | 7.6 | 58 | 57 | 17 | 20 | 21.3 |
| 1-10-84 | 1000 | 46 | 49 | 11.3 | 7.1 | 85 | 87 | 13 | 33 | 18.1 |
| 2-22-84 | 1110 | 59 | 49 | 11.6 | 7.1 | 75 | 78 | 7.4 | 29 | 10.4 |
| 3-27-84 | 1325 | 71 | 54 | 10.8 | 7.3 | 100 | 98 | 4.3 | 40 | 9.7 |
| 5- 1-84 | 1010 | 60 | 56 | 9.8 | 7.4 | 112 | 107 | 10 | 42 | - |
| 6-20-84 | 1045 | 75.5 | 71 | 9.7 | 7.6 | 123 | 138 | 4.2 | 52 | - |

SACRAMENTO RIVER
ENLARGED SHASTA DATA

Sta. AO 2112.00 Sacramento River @ Elkhorn Ferry

| Date | Time | Temp. (°F) | | D.O. (ppm) | pH | E.C. (umhos/cm) | | Turb. (NTU) | Alk. (mg/L) | TSS (mg/L) |
|----------|---|---------------|------------------|---------------|-----|--------------------|------|----------------|----------------|---------------|
| | | Air | H ₂ O | | | Field | Lab. | | | |
| 6-16-83 | 1045 | 85 | 64.5 | 9.6 | 7.1 | 110 | 103 | 18 | 39 | 42.9 |
| 7-14-83 | 1115 | 88 | 68 | 8.7 | 7.3 | 135 | 120 | 15 | 49 | 44.9 |
| 8-16-83 | 1045 | 88 | 71 | 8.3 | 7.4 | 150 | 145 | 13 | 57 | 33.5 |
| 9-20-83 | 1200 | 85 | 66 | 8.8 | 7.4 | 175 | 162 | 14 | 63 | 52.9 |
| 10-19-83 | 1140 | 67 | 60 | 9.5 | 7.5 | 140 | 132 | 4.8 | 55 | 20.5 |
| 11-29-83 | NOT SAMPLED. AREA FLOODED, ACCESS NOT POSSIBLE. | | | | | | | | | |
| 1-10-84 | 1100 | 46.5 | 49 | 11.0 | 7.2 | 124 | 130 | 18 | 50 | 29.4 |
| 2-22-84 | 1140 | 50 | 50 | 11.1 | 7.2 | 140 | 140 | 17 | 43 | 32.1 |
| 3-27-84 | 1300 | 69 | 56 | 10.6 | 7.5 | 145 | 137 | 13 | 56 | 27.0 |
| 5- 1-84 | 1040 | 63 | 60 | 9.7 | 7.5 | 164 | 163 | 14 | 55 | 24.2 |
| 6-20-84 | 1105 | 86.5 | 72 | 8.6 | 7.4 | 162 | 164 | 5.9 | 60 | - |

SACRAMENTO RIVER
ENLARGED SHASTA DATA

Sta. AO 2230.02 Sacramento River above Colusa Basin Drain

| Date | Time | Temp. (°F) | | D.O. (ppm) | pH | E.C. (umhos/cm) | | Turb. (NTU) | Alk. (mg/L) | TSS (mg/L) |
|----------|------|---------------|------------------|---------------|-----|--------------------|------|----------------|----------------|---------------|
| | | Air | H ₂ O | | | Field | Lab. | | | |
| 6-16-83 | 1215 | 79 | 64.5 | 9.5 | 7.1 | 128 | 120 | 19 | 49 | 4.7 |
| 7-14-83 | 1200 | 90 | 69 | 8.9 | 7.4 | 128 | 117 | 14 | 47 | 33.3 |
| 8-16-83 | 1130 | 93 | 71 | 8.7 | 7.5 | 130 | 125 | 12 | 48 | 17.0 |
| 9-20-83 | 1250 | 87 | 69 | 8.9 | 7.4 | 165 | 151 | 8.0 | 60 | 26.8 |
| 10-19-83 | 1220 | - | 59.5 | 9.6 | 7.4 | 137 | 123 | 2.7 | 55 | 7.0 |
| 11-29-83 | 1200 | 56.5 | 51.5 | 10.7 | 7.3 | 159 | 157 | 46 | 62 | 99.2 |
| 1-10-84 | 1130 | 48.5 | 48 | 11.0 | 7.3 | 158 | 158 | 23 | 61 | 61.1 |
| 2-22-84 | 1220 | 53 | 51 | 11.0 | 7.3 | 160 | 161 | 12 | 65 | 29.7 |
| 3-27-84 | 1230 | 69 | 56 | 10.7 | 7.4 | 150 | 143 | 11 | 60 | 30.4 |
| 5- 1-84 | 1120 | 65 | 58 | 9.9 | 7.5 | 160 | 156 | 8.5 | 64 | 16.4 |
| 6-20-84 | 1130 | - | 76 | 8.9 | 7.4 | 147 | 153 | 5.0 | 58 | - |

SACRAMENTO RIVER
ENLARGED SHASTA DATA

Sta. A0 2320.00 Sacramento River near Grimes

| Date | Time | Temp. (°F) | | D.O. (ppm) | pH | E.C. (umhos/cm) | | Turb. (NTU) | Alk. (mg/L) | TSS (mg/L) |
|----------|------|---------------|------------------|---------------|-----|--------------------|------|----------------|----------------|---------------|
| | | Air | H ₂ O | | | Field | Lab. | | | |
| 4-28-83 | 1330 | 62 | 55 | 9.9 | 7.3 | 150 | 138 | 34 | 56 | - |
| 6-16-83 | 1300 | 89.5 | 64.5 | 9.6 | 7.3 | 119 | 113 | 15 | 43 | 35.5 |
| 7-14-83 | 1245 | 89 | 68 | 9.2 | 7.5 | 115 | 107 | 12 | 44 | 19.3 |
| 8-16-83 | 1230 | 99 | 69 | 9.2 | 7.4 | 115 | 108 | 4.7 | 44 | 17.1 |
| 9-20-83 | 1345 | 87 | 66 | 9.0 | 7.5 | 135 | 127 | 7.0 | 56 | 29.1 |
| 10-19-83 | 1315 | 74 | 59 | 9.8 | 7.3 | 137 | 123 | 2.8 | 50 | 9.9 |
| 11-29-83 | 1300 | 54.5 | 51 | 10.8 | 7.3 | 147 | 145 | 38 | 61 | 90.1 |
| 1-10-84 | 1215 | 51 | 49 | 11.1 | 7.3 | 130 | 137 | 20 | 54 | 50.4 |
| 2-22-84 | 1305 | 58 | 51 | 11.0 | 7.3 | 153 | 149 | 12 | 61 | 31.2 |
| 3-27-84 | 1145 | 70 | 55 | 10.5 | 7.4 | 140 | 136 | 9.4 | 59 | 24.6 |
| 5- 1-84 | 1200 | 61 | 58 | 10.2 | 7.4 | 150 | 151 | 4.5 | 63 | 14.0 |
| 6-20-84 | 1210 | 92 | 70 | 9.1 | 7.5 | 140 | 142 | 1.2 | 55 | - |

SACRAMENTO RIVER
ENLARGED SHASTA DATA

Sta. A0 2500.00 Sacramento River @ Butte City

| Date | Time | Temp. (°F) | | D.O. (ppm) | pH | E.C. (umhos/cm) | | Turb. (NTU) | Alk. (mg/L) | TSS (mg/L) |
|----------|------|---------------|------------------|---------------|-----|--------------------|------|----------------|----------------|---------------|
| | | Air | H ₂ O | | | Field | Lab. | | | |
| 4-28-83 | 1430 | 66 | 54 | 10.3 | 7.3 | 140 | 127 | 62 | 55 | - |
| 6- 3-83 | 0950 | - | 59 | - | - | 110 | 104 | 14 | 43 | - |
| 6-16-83 | 1350 | 86 | 62.5 | - | - | 120 | 110 | 14 | 46 | - |
| 7-14-83 | 1350 | 88 | 66.5 | - | - | 120 | 105 | 10 | 44 | - |
| 8-16-83 | 1330 | 91 | 67 | - | - | 110 | 105 | 4.0 | 43 | - |
| 9- 7-83 | 1300 | - | 67 | - | - | - | 114 | 4.3 | - | - |
| 9-20-83 | 1450 | 88 | 64 | - | - | 128 | 119 | 4.0 | 51 | - |
| 10-19-83 | 1420 | 74 | 59 | 10.2 | 7.3 | 127 | 122 | 2.2 | 50 | - |
| 11- 9-83 | - | - | 53.5 | - | - | - | 123 | 7.9 | 46 | - |
| 11-29-83 | 1345 | 53.5 | 51 | 10.6 | 7.5 | 130 | 131 | 19 | 55 | - |
| 12-21-83 | 0930 | 52 | 49 | 10.9 | 7.1 | 121 | 111 | 28 | 52 | - |
| 1-10-84 | 1330 | 53 | 48 | 11.1 | 7.2 | 130 | 135 | 17 | 55 | - |
| 2- 2-84 | 0910 | 59.5 | 49 | 11.2 | 7.2 | - | 151 | 10 | 63 | - |
| 2-22-84 | 1400 | 60 | 50 | 11.2 | 7.4 | 138 | 135 | 10 | 54 | - |
| 3-15-84 | 0905 | 75 | 53.5 | 10.2 | 7.6 | 146 | 139 | 14 | 58 | - |
| 3-27-84 | 1100 | 68 | 55 | 10.7 | 7.4 | 140 | 139 | 5.8 | 59 | - |
| 4-19-84 | 0900 | 61 | 55 | 10.1 | 7.4 | 162 | 161 | 3.5 | 67 | - |
| 5- 1-84 | 1305 | 63 | 58 | 10.6 | 7.5 | 144 | 147 | 3.4 | 62 | - |
| 5-24-84 | 1310 | 92 | 65 | 10.4 | 7.8 | 140 | 131 | 3.6 | 57 | - |
| 6-20-84 | 1300 | 86.5 | 68 | 10.1 | 7.4 | 138 | 140 | 3.9 | 55 | - |

SACRAMENTO RIVER
ENLARGED SHASTA DATA

Sta. A0 2570.00 Sacramento River @ Ord Ferry

| Date | Time | Temp. (°F) | | D.O. (ppm) | pH | E.C. (umhos/cm) | | Turb. (NTU) | Alk. (mg/L) | TSS (mg/L) |
|----------|------|---------------|------------------|---------------|-----|--------------------|------|----------------|----------------|---------------|
| | | Air | H ₂ O | | | Field | Lab. | | | |
| 6- 3-83 | 0910 | - | 57.5 | - | - | 108 | 105 | 10 | 42 | - |
| 6-16-83 | 1420 | 96 | 62 | - | - | 115 | 105 | 10 | 44 | - |
| 7-14-83 | 1420 | 92 | 64 | - | - | 120 | 105 | 7.0 | 44 | - |
| 8-16-83 | 1400 | 95 | 65 | - | - | 110 | 103 | 3.9 | 43 | - |
| 9- 7-83 | 1340 | - | 64 | - | - | - | 114 | 3.7 | - | - |
| 9-20-83 | 1520 | 87 | 64 | - | - | 122 | 115 | 3.0 | 49 | - |
| 10-19-83 | 1450 | 75 | 59.5 | 10.1 | 7.4 | 123 | 118 | 2.0 | 48 | - |
| 11- 9-83 | - | 54 | - | - | - | - | 115 | 5.0 | 45 | - |
| 11-29-83 | 1415 | 50 | 51.5 | 10.6 | 7.3 | 130 | 128 | 12 | 56 | - |
| 12-21-83 | 1000 | 47.5 | 49 | - | 7.2 | 121 | 110 | 16 | 48 | - |
| 1-10-84 | 1400 | 54 | 48 | 11.3 | 7.2 | 130 | 134 | 14 | 56 | - |
| 2- 2-84 | 0950 | 60 | 49 | 11.2 | 7.2 | - | 146 | 9.0 | 61 | - |
| 2-22-84 | 1430 | 67 | 49 | 11.2 | 7.3 | 140 | 135 | 9.0 | 56 | - |
| 3-15-84 | 0940 | 73 | 54 | 10.4 | 7.4 | 145 | 135 | 10 | 57 | - |
| 3-27-84 | 1030 | 61 | 53.5 | 10.8 | 7.4 | 140 | 137 | 5.0 | 58 | - |
| 4-19-84 | 0930 | 61 | 54 | 10.2 | 7.3 | 160 | 157 | 3.5 | 64 | - |
| 5- 1-84 | 1340 | 65 | 57 | 10.7 | 7.5 | 142 | 144 | 8.7 | 59 | - |
| 5-24-84 | 1340 | 92 | 65 | 10.7 | 7.7 | 138 | 127 | 3.8 | 58 | - |

SACRAMENTO RIVER
ENLARGED SHASTA DATA

Sta. AO 2630.00 Sacramento River @ Hamilton City

| Date | Time | Temp. (°F) | | D.O. (ppm) | pH | E.C. (umhos/cm) | | Turb. (NTU) | Alk. (mg/L) | TSS (mg/L) |
|----------|------|---------------|------------------|---------------|-----|--------------------|------|----------------|----------------|---------------|
| | | Air | H ₂ O | | | Field | Lab. | | | |
| 4-28-83 | 1515 | 66 | 53 | 10.3 | 7.3 | 120 | 108 | 52 | 46 | - |
| 5-10-83 | 1415 | - | 53.5 | - | - | - | - | - | - | - |
| 6- 3-83 | 0845 | - | 56 | - | - | 105 | 102 | 11 | 41 | - |
| 6-16-83 | 1445 | 92 | 63 | 10.2 | 7.0 | 108 | 105 | 6.2 | 43 | 11.4 |
| 7-14-83 | 1500 | 90 | 62.5 | 10.1 | 7.4 | 110 | 102 | 4.9 | 42 | 9.9 |
| 8-16-83 | 1430 | 97 | 63 | 10.0 | 7.4 | 105 | 100 | 2.9 | 41 | 5.6 |
| 9- 7-83 | 1405 | - | 62 | - | - | - | 113 | 4.0 | - | - |
| 9-20-83 | 1600 | 90 | 63 | 10.1 | 7.5 | 120 | 112 | 3.0 | 45 | 15.6 |
| 10-19-83 | 1530 | 75 | 58 | 10.5 | 7.3 | 119 | 112 | 2.0 | 47 | 3.7 |
| 11- 9-83 | - | - | 53 | - | - | - | 103 | 3.5 | 46 | - |
| 11-29-83 | 1505 | 52 | 52 | 10.6 | 7.3 | 120 | 120 | 8.6 | 52 | 33.3 |
| 12-21-83 | 1030 | 52 | 49 | 11.4 | 7.2 | 118 | 107 | 14 | 46 | - |
| 1-10-84 | 1415 | 51 | 48 | 11.3 | 7.3 | 124 | 130 | 12 | 54 | 34.8 |
| 2- 2-84 | 1015 | 62 | 48.5 | 11.4 | 7.2 | - | 133 | 8.0 | 57 | - |
| 2-22-84 | 1505 | 58 | 49 | 11.5 | 7.2 | 127 | 130 | 9.0 | 53 | 17.7 |
| 3-15-84 | 1030 | 64 | 53 | 10.4 | 7.3 | 139 | 127 | 27 | 53 | - |
| 3-27-84 | 1000 | 60 | 51.5 | 11.0 | 7.3 | 135 | 132 | 4.4 | 56 | 5.4 |
| 4-19-84 | 1010 | 60 | 54 | 10.4 | 7.4 | 151 | 150 | 3.2 | 58 | - |
| 5- 1-84 | 1410 | 61 | 57 | 10.9 | 7.4 | 130 | 137 | 3.6 | 56 | 17.5 |
| 5-24-84 | 1410 | 85 | 63 | 10.7 | 7.5 | 128 | 123 | 2.5 | 56 | - |
| 6-22-84 | 0820 | 77 | 59 | 10.0 | 7.4 | 130 | 129 | 4.6 | 52 | - |

SACRAMENTO RIVER
ENLARGED SHASTA DATA

Sta. A0 2700.00 Sacramento River @ Woodson Bridge

| Date | Time | Temp. (°F) | | D.O. (ppm) | pH | E.C. (umhos/cm) | | Turb. (NTU) | Alk. (mg/L) | TSS (mg/L) |
|----------|------|---------------|------------------|---------------|-----|--------------------|------|----------------|----------------|---------------|
| | | Air | H ₂ O | | | Field | Lab. | | | |
| 6- 3-83 | 0800 | - | 55.5 | - | - | 105 | 100 | 9.6 | 42 | - |
| 6-16-83 | 1630 | - | 62 | - | - | 105 | 103 | 6.7 | 42 | - |
| 7-14-83 | 1550 | 94 | 63 | - | - | 110 | 100 | 5.4 | 40 | - |
| 8-16-83 | 1530 | 96 | 64 | - | - | 105 | 98 | 3.0 | 41 | - |
| 9- 7-83 | 1435 | - | 65 | - | - | - | 111 | 3.5 | - | - |
| 9-20-83 | 1650 | 88 | 62 | - | - | 110 | 104 | 3.0 | 43 | - |
| 10-19-83 | 1615 | 74 | 58 | 10.8 | 7.5 | 112 | 108 | 1.6 | 46 | - |
| 11- 9-83 | - | - | 53.5 | - | - | - | 107 | 3.9 | 43 | - |
| 11-29-83 | 1540 | 55.5 | 52.5 | 10.8 | - | 122 | 119 | 6.8 | 52 | - |
| 12-21-83 | 1130 | 53.5 | 49 | 11.4 | 7.2 | 118 | 105 | 10 | 46 | - |
| 1-10-84 | 1500 | 49.5 | 48 | 11.3 | 7.2 | 119 | 118 | 16 | 50 | - |
| 2- 2-84 | 1115 | 72 | 50 | 11.6 | 7.2 | - | 130 | 9.0 | 56 | - |
| 2-22-84 | 1600 | 58 | 49 | 11.9 | 7.3 | 119 | 120 | 13 | 50 | - |
| 3-15-84 | 1110 | 64 | 52 | 10.8 | 7.4 | 127 | 120 | 28 | 48 | - |
| 3-27-84 | 0915 | 54 | 52 | 11.1 | 7.3 | 130 | 127 | 4.9 | 55 | - |
| 4-19-84 | 1045 | 62 | 55 | 10.9 | 7.4 | 142 | 144 | 5.9 | 56 | - |
| 5- 4-84 | 0745 | 57.5 | 54.5 | 10.7 | 7.4 | 131 | 132 | 3.1 | 56 | - |
| 5-24-84 | 1430 | 90 | 64 | 11.1 | 7.9 | 127 | 119 | 3.0 | 56 | - |
| 6-22-84 | 0900 | 81 | 61 | 10.4 | 7.4 | 121 | 125 | 3.0 | 48 | - |

SACRAMENTO RIVER
ENLARGED SHASTA DATA

Sta. A0 2731.00 Sacramento River @ Tehama

| Date | Time | Temp. (°F) | | D.O. (ppm) | pH | E.C. (umhos/cm) | | Turb. (NTU) | Alk. (mg/L) | TSS (mg/L) |
|----------|------|---------------|------------------|---------------|-----|--------------------|------|----------------|----------------|---------------|
| | | Air | H ₂ O | | | Field | Lab. | | | |
| 4-28-83 | 1630 | 58 | 53 | 10.4 | 7.3 | 125 | 118 | 73 | 91 | - |
| 5-10-83 | 1100 | - | 52 | - | - | 120 | 110 | 17 | 48 | - |
| 6- 2-83 | 1345 | - | 56.5 | - | - | 105 | 104 | 13 | 42 | - |
| 6-16-83 | 1600 | 88 | 60 | 10.6 | 7.2 | 112 | 106 | 6.6 | 45 | 11.7 |
| 7-14-83 | 1630 | 86 | 61 | 10.4 | 7.4 | 115 | 98 | 4.7 | 41 | 5.6 |
| 8-16-83 | 1600 | 88 | 62 | 10.5 | 7.5 | 105 | 96 | 2.6 | 40 | 4.0 |
| 9- 7-83 | 1500 | - | 61 | - | - | - | 107 | 3.1 | - | - |
| 9-20-83 | 1730 | 80 | 61 | 10.5 | 7.6 | 117 | 106 | 2.0 | 43 | 2.1 |
| 10-19-83 | 1700 | 63 | 58.5 | 10.5 | 7.3 | 112 | 107 | 1.9 | 44 | 9.5 |
| 11- 9-83 | - | - | 53 | - | - | - | 105 | 4.0 | 43 | - |
| 12- 1-83 | 0915 | 52.5 | 53.5 | 10.7 | 7.2 | 123 | 121 | 5.1 | 53 | 11.5 |
| 12-21-83 | 1215 | 54.5 | 49 | 11.5 | 7.2 | 120 | 108 | 13 | 47 | - |
| 1-10-84 | 1530 | 48 | 48 | 11.3 | 7.2 | 125 | 127 | 11 | 53 | 15.7 |
| 2- 2-84 | 1145 | 68 | 49 | 11.8 | 7.3 | - | 129 | 7.0 | 57 | - |
| 2-23-84 | 0830 | 40 | 45 | 11.8 | 7.3 | 140 | 137 | 6.2 | 57 | 10.3 |
| 3-15-84 | 1140 | 66 | 53 | 10.6 | 7.4 | 150 | 140 | 21 | 54 | - |
| 3-27-84 | 0820 | 56 | 51 | 11.0 | 7.4 | 137 | 132 | 4.0 | 56 | 6.0 |
| 4-19-84 | 1120 | 66 | 52 | 11.5 | 7.5 | 142 | 140 | 3.6 | 56 | - |
| 5- 4-84 | 0815 | 63 | 54.5 | 11.0 | 7.3 | 138 | 133 | 3.6 | 55 | 10.8 |
| 5-29-84 | 0730 | 77 | 58.5 | 10.2 | 7.5 | 128 | 121 | 2.5 | 57 | - |
| 6-22-84 | 1000 | 84.5 | 58 | 10.7 | 7.4 | 125 | 124 | 3.2 | 49 | - |

SACRAMENTO RIVER
ENLARGED SHASTA DATA

Sta. A0 2737.00 Sacramento River @ Sacramento Bar

| Date | Time | Temp. (°F) | | D.O. (ppm) | pH | E.C. (umhos/cm) | | Turb. (NTU) | Alk. (mg/L) | TSS (mg/L) |
|----------|------|---------------|------------------|---------------|-----|--------------------|------|----------------|----------------|---------------|
| | | Air | H ₂ O | | | Field | Lab. | | | |
| 6- 2-83 | 1320 | - | 55 | - | - | 100 | 98 | 7.6 | 39 | - |
| 6-16-83 | 1635 | 92 | 60 | - | - | 100 | 98 | 5.6 | 43 | - |
| 7-14-83 | 1730 | 85 | 58.5 | - | - | 105 | 97 | 4.4 | 39 | - |
| 8-16-83 | 1700 | 91 | 60 | - | - | 100 | 97 | 2.8 | 41 | - |
| 9- 7-83 | 1540 | - | 62 | - | - | - | 102 | 3.2 | - | - |
| 9-20-83 | 1820 | 72 | 60 | - | - | 105 | 99 | 2.0 | 42 | - |
| 10-21-83 | 0730 | 54.5 | 55 | 10.7 | 7.2 | 103 | 101 | 1.8 | 41 | - |
| 11- 9-83 | - | - | 54.5 | - | - | - | 105 | 3.5 | 43 | - |
| 12- 1-83 | 0950 | 54.5 | 53.5 | 10.7 | 7.2 | 122 | 115 | 4.4 | 51 | - |
| 12-21-83 | 1300 | 52.5 | 50 | 11.5 | 7.2 | 116 | 101 | 7.6 | 46 | - |
| 1-10-84 | 1620 | 51 | 48 | 11.3 | 7.2 | 116 | 116 | 9.0 | 47 | - |
| 2- 2-84 | 1230 | 72 | 49 | 12.0 | 7.3 | - | 116 | 7.0 | 47 | - |
| 2-23-84 | 0910 | 41 | 47 | 12.1 | 7.3 | 120 | 123 | 5.9 | 49 | - |
| 3-15-84 | 1230 | 68 | 52.5 | 10.7 | 7.4 | 138 | 128 | 17 | 53 | - |
| 3-27-84 | 0800 | 56 | 51 | 11.0 | 7.4 | 137 | 125 | 4.2 | 55 | - |
| 4-19-84 | 1155 | 68 | 52 | 11.6 | 7.5 | 135 | 130 | 5.3 | 53 | - |
| 5- 4-84 | 0910 | 65 | 55 | 11.2 | 7.4 | 130 | 126 | 3.5 | 52 | - |
| 5-29-84 | 0800 | 83 | 58 | 10.9 | 7.5 | 122 | 113 | 2.7 | 54 | - |
| 6-22-84 | 0930 | 84.5 | 59 | 10.8 | 7.6 | 120 | 120 | 2.8 | 49 | - |

SACRAMENTO RIVER
ENLARGED SHASTA DATA

Sta. A0 2755.00

Sacramento River below Red Bluff Diversion Dam

| Date | Time | Temp. (°F) | | D.O. (ppm) | pH | E.C. (umhos/cm) | | Turb. (NTU) | Alk. (mg/L) | TSS (mg/L) |
|----------|------|---------------|------|---------------|-----|--------------------|------|----------------|----------------|---------------|
| | | Air | H2O | | | Field | Lab. | | | |
| 5- 9-83 | 1515 | - | 51 | - | - | - | - | - | - | - |
| 6- 2-83 | 1425 | - | 55 | - | - | 105 | 102 | 11 | 41 | - |
| 6-17-83 | 0730 | 82 | 56 | - | - | 95 | 95 | 5.1 | 42 | - |
| 7-15-83 | 0745 | 74 | 58 | - | - | 110 | 95 | 4.2 | 39 | - |
| 8-17-83 | 0715 | 80 | 58 | - | - | 100 | 97 | 2.7 | 40 | - |
| 9-12-83 | 0815 | - | 58 | - | - | - | 99 | 2.5 | - | - |
| 9-21-83 | 0700 | 64 | 57 | 10.9 | 7.5 | 101 | 97 | 3.0 | 42 | - |
| 10-21-83 | 0920 | 63.5 | 56 | 11.1 | 7.3 | 104 | 101 | 2.6 | 42 | - |
| 11- 9-83 | - | - | 54 | - | - | - | 108 | 5.1 | 44 | - |
| 12- 1-83 | 0830 | 51 | 53.5 | 10.6 | 7.2 | 124 | 117 | 3.2 | 51 | - |
| 12-22-83 | 1500 | 47.5 | 50 | 11.3 | 7.2 | 116 | 105 | 9.6 | 46 | - |
| 1-11-84 | 0800 | 42 | 47 | 11.5 | 7.2 | 126 | 124 | 9.6 | 51 | - |
| 2- 2-84 | 1345 | 72 | 48.5 | 12.0 | 7.3 | - | 118 | 6.0 | 49 | - |
| 2-23-84 | 0950 | 43 | 47 | 12.3 | 7.4 | 120 | 127 | 5.5 | 50 | - |
| 3-15-84 | 1315 | 66 | 52.5 | 11.2 | 7.3 | 130 | 124 | 51 | 50 | - |
| 3-28-84 | 0830 | 61 | 51 | 11.7 | 7.3 | 132 | 122 | 3.7 | 55 | - |
| 4-19-84 | 1240 | 66 | 51 | 11.8 | 7.4 | 135 | 130 | 4.1 | 53 | - |
| 5- 4-84 | 1030 | 72 | 55 | 11.2 | 7.4 | 125 | 126 | 3.6 | 52 | - |
| 5-30-84 | 0930 | 90 | 60.5 | 10.7 | 7.4 | 120 | 111 | 2.9 | 54 | - |
| 6-21-84 | 0730 | 69 | 56 | 10.6 | 7.3 | 120 | 120 | 4.0 | 48 | - |

SACRAMENTO RIVER
ENLARGED SHASTA DATA

Sta. AO 2769.00 Sacramento River @ Red Bluff Elks Lodge

| Date | Time | Temp. (°F) | | D.O. (ppm) | pH | E.C. (umhos/cm) | | Turb. (NTU) | Alk. (mg/L) | TSS (mg/L) |
|----------|------|---------------|------|---------------|-----|--------------------|------|----------------|----------------|---------------|
| | | Air | H2O | | | Field | Lab. | | | |
| 5-11-83 | 1200 | - | 51 | - | - | - | - | - | - | - |
| 6- 2-83 | 1245 | - | 54 | - | - | 100 | 98 | 7.3 | 40 | - |
| 6-17-83 | 0815 | 86 | 54 | - | - | 95 | 94 | 4.6 | 41 | - |
| 7-15-83 | 0815 | 74 | 57 | - | - | 106 | 98 | 4.7 | 44 | - |
| 8-17-83 | 0740 | 74 | 58 | - | - | 100 | 95 | 2.8 | 41 | - |
| 9-12-83 | 0800 | - | 58 | - | - | - | 100 | 2.9 | - | - |
| 9-21-83 | 0740 | 65 | 58 | 9.9 | 7.4 | 101 | 98 | 2.0 | 40 | - |
| 10-21-83 | 0850 | 62 | 55.5 | 10.2 | 7.3 | 103 | 100 | 2.6 | 42 | - |
| 11- 9-83 | - | - | 54 | - | - | - | 109 | 5.5 | 44 | - |
| 12- 1-83 | 1030 | 53.5 | 53.5 | 10.4 | 7.2 | 120 | 115 | 3.9 | 51 | - |
| 12-22-83 | 1430 | 49 | 50 | 11.6 | 7.2 | 110 | 100 | 7.7 | 45 | - |
| 1-11-84 | 0830 | 44 | 47 | - | 7.2 | 120 | 118 | 9.7 | 47 | - |
| 2- 3-84 | 0800 | 37.5 | 48 | 11.5 | 7.3 | - | 111 | 6.0 | 47 | - |
| 2-23-84 | 1020 | 48 | 47 | 11.7 | 7.3 | 118 | 122 | 5.2 | 50 | - |
| 3-14-84 | 0740 | 54 | 53 | 10.5 | 7.4 | 140 | 137 | 10 | 54 | - |
| 3-28-84 | 0900 | 63 | 51 | 11.0 | 7.2 | 130 | 126 | 4.4 | 51 | - |
| 4-19-84 | 1305 | 63 | 51 | 11.4 | 7.4 | 134 | 129 | 4.5 | 53 | - |
| 5- 2-84 | 1330 | 75.5 | 52 | 11.2 | 7.4 | 130 | 126 | 2.5 | 50 | - |
| 5-30-84 | 0950 | 93 | 60 | 10.3 | 7.3 | 120 | 111 | 3.2 | 53 | - |
| 6-21-84 | 0745 | 70 | 56 | 10.5 | 7.4 | 120 | 122 | 2.6 | 48 | - |

SACRAMENTO RIVER
ENLARGED SHASTA DATA

Sta. A0 2780.00 Sacramento River @ RM 250 (below Paynes Creek)

| Date | Time | Temp. (°F) | | D.O. (ppm) | pH | E.C. (umhos/cm) | | Turb. (NTU) | Alk. (mg/L) | TSS (mg/L) |
|----------|------|---------------|------------------|---------------|-----|--------------------|------|----------------|----------------|---------------|
| | | Air | H ₂ O | | | Field | Lab. | | | |
| 6- 2-83 | 1230 | - | 53.5 | - | - | 105 | 93 | 7.7 | 40 | - |
| 6-17-83 | 0845 | 74 | 55 | - | - | 97 | 94 | 4.4 | 38 | - |
| 7-15-83 | 0835 | 72 | 56.5 | - | - | 105 | 100 | 4.2 | 41 | - |
| 8-17-83 | 0800 | 83 | 56.5 | - | - | 100 | 97 | 2.6 | 40 | - |
| 9-12-83 | 0900 | - | 59 | - | - | - | 103 | 3.0 | - | - |
| 9-21-83 | 0805 | 67 | 57 | 10.1 | 7.4 | 111 | 100 | 2.0 | 41 | - |
| 10-21-83 | 0815 | 59 | 55 | 10.4 | 7.3 | 105 | 101 | 2.7 | 42 | - |
| 11-10-83 | - | - | 53 | - | - | - | 107 | 4.7 | 41 | - |
| 11-30-83 | 1440 | 60 | 54 | 10.6 | 7.3 | 120 | 115 | 4.0 | 51 | - |
| 12-22-83 | 1400 | 47.5 | 50 | 11.4 | 7.2 | 110 | 102 | 7.3 | 44 | - |
| 1-11-84 | 0915 | 45 | 47 | 11.3 | 7.1 | 121 | 117 | 9.4 | 47 | - |
| 2- 3-84 | 0845 | 39 | 47 | 11.5 | 7.2 | - | 114 | 7.0 | 47 | - |
| 2-23-84 | 1045 | 49 | 47 | 11.4 | 7.3 | 122 | 126 | 5.2 | 53 | - |
| 3-14-84 | 0800 | 57 | 53 | 10.4 | 7.3 | 135 | - | - | - | - |
| 3-28-84 | 0900 | 65 | 52 | 11.2 | 7.3 | 114 | 120 | 4.6 | 50 | - |
| 4-19-84 | 1330 | 67 | 52 | 10.5 | 7.3 | 136 | 132 | 16 | 50 | - |
| 5- 2-84 | 1300 | 74 | 51.5 | 11.1 | 7.4 | 130 | 124 | 4.5 | 50 | - |
| 5-29-84 | 0830 | 86.5 | 57 | 10.2 | 7.5 | 120 | 112 | 2.5 | 53 | - |
| 6-22-84 | 1200 | 88 | 56 | 10.6 | 7.3 | 125 | 123 | 3.3 | 47 | - |

SACRAMENTO RIVER
ENLARGED SHASTA DATA

Sta. A0 2785.00 Sacramento River @ Bend Bridge

| Date | Time | Temp. (°F) | | D.O. (ppm) | pH | E.C. (umhos/cm) | | Turb. (NTU) | Alk. (mg/L) | TSS (mg/L) |
|----------|------|---------------|------------------|---------------|-----|--------------------|------|----------------|----------------|---------------|
| | | Air | H ₂ O | | | Field | Lab. | | | |
| 5-11-83 | 1100 | 71 | 50 | 11.6 | 7.2 | 115 | 98 | 12 | 40 | - |
| 6- 2-83 | 1045 | - | 53 | - | - | 100 | 95 | 7.5 | 40 | - |
| 6-17-83 | 0930 | 76 | 55 | 10.7 | 7.2 | 97 | 97 | 3.5 | 40 | 13.5 |
| 7-15-83 | 0915 | 76 | 55 | 10.3 | 7.3 | 103 | 96 | 4.2 | 40 | 4.0 |
| 8-17-83 | 0845 | - | 55.5 | 10.1 | 7.2 | 100 | 95 | 2.8 | 40 | 1.9 |
| 9-12-83 | 0930 | - | 57 | - | - | - | 101 | 3.0 | - | - |
| 9-21-83 | 0840 | 68 | 55 | 10.8 | 7.3 | 105 | 99 | 2.0 | 42 | 43.1 |
| 10-20-83 | 1400 | - | 56 | 11.1 | 7.3 | 100 | 99 | 2.9 | 43 | 3.5 |
| 11-10-83 | - | - | 54 | - | - | - | 109 | 4.0 | 45 | - |
| 11-30-83 | 1430 | 64 | 54 | 10.4 | 7.2 | 122 | 114 | 4.0 | 49 | 8.5 |
| 12-22-83 | 1330 | 44.5 | 50 | 11.2 | 7.2 | 106 | 101 | 7.2 | 44 | - |
| 1-11-84 | 1015 | 76 | 47 | 11.4 | 7.1 | 110 | 116 | 9.4 | 48 | 19.6 |
| 2- 3-84 | 0910 | 47 | 47 | 11.5 | 7.2 | - | 113 | 7.0 | 47 | - |
| 2-23-84 | 1130 | 51 | 47 | 11.5 | 7.2 | 120 | 128 | 5.5 | 50 | 7.6 |
| 3-14-84 | 0900 | 54 | 52 | 10.3 | 7.3 | 115 | 112 | 55 | 44 | - |
| 3-28-84 | 1030 | 64 | 51 | 11.2 | 7.3 | 110 | 118 | 3.7 | 51 | 2.6 |
| 4-20-84 | 0815 | 58 | 51 | 10.6 | 7.4 | 132 | 130 | 6.0 | 53 | - |
| 5- 2-84 | 1215 | 73.5 | 51.5 | 11.4 | 7.4 | 127 | 124 | 4.7 | 50 | 14.7 |
| 5-29-84 | 1400 | 97 | 56 | 11.1 | 7.6 | 120 | 113 | 2.7 | 55 | - |
| 6-21-84 | 0815 | 72 | 54 | 10.6 | 7.2 | 127 | 124 | 3.0 | 48 | - |

SACRAMENTO RIVER
ENLARGED SHASTA DATA

Sta. AO 2790.00 Sacramento River @ Jellys Ferry

| Date | Time | Temp. (°F) | | D.O. (ppm) | pH | E.C. (umhos/cm) | | Turb. (NTU) | Alk. (mg/L) | TSS (mg/L) |
|----------|------|---------------|------------------|---------------|-----|--------------------|------|----------------|----------------|---------------|
| | | Air | H ₂ O | | | Field | Lab. | | | |
| 6- 1-83 | 1350 | - | 54 | - | - | 100 | 99 | 5.9 | 40 | - |
| 6-17-83 | 1015 | 79 | 54 | - | - | 97 | 92 | 4.9 | 40 | - |
| 7-15-83 | 0950 | 79 | 55.5 | - | - | 135 | 96 | 3.5 | 40 | - |
| 8-17-83 | 0915 | 87 | 55 | - | - | 100 | 93 | 2.6 | 39 | - |
| 9-12-83 | 1020 | - | 57 | - | - | - | 100 | 2.9 | - | - |
| 9-21-83 | 0920 | 69 | 56 | 10.0 | 7.2 | 110 | 97 | 2.0 | 41 | - |
| 10-20-83 | 1340 | 72 | 56 | 10.3 | 7.3 | 102 | 99 | 2.8 | 41 | - |
| 11-10-83 | - | - | 54 | - | - | - | 109 | - | 44 | - |
| 11-30-83 | 1500 | 63 | 53 | 10.4 | 7.2 | 122 | 114 | 3.8 | 50 | - |
| 12-22-83 | 1230 | 45.5 | 50 | 11.6 | 7.2 | 108 | 100 | 6.1 | 44 | - |
| 1-11-84 | 1030 | 55 | 48 | 11.3 | 7.1 | 110 | 112 | 8.3 | 48 | - |
| 2- 3-84 | 1000 | 52 | 47 | 11.6 | 7.2 | - | 112 | 6.0 | 47 | - |
| 2-23-84 | 1155 | 48 | 47 | 11.6 | 7.2 | 122 | 127 | 5.5 | 50 | - |
| 3-14-84 | 0925 | 57 | 51 | 10.0 | 7.2 | 122 | 118 | 50 | 45 | - |
| 3-28-84 | 1100 | 64 | 49 | 11.1 | 7.3 | 120 | 126 | 3.5 | 52 | - |
| 4-20-84 | 0850 | 58 | 52 | 10.9 | 7.3 | 140 | 152 | 4.6 | 61 | - |
| 5- 2-84 | 1200 | 73 | 52 | 11.3 | 7.4 | 125 | 125 | 3.2 | 51 | - |
| 5-29-84 | 1340 | 95 | 56 | 11.4 | 7.6 | 130 | 112 | 2.5 | 55 | - |
| 6-22-84 | 1230 | 90 | 56 | 11.0 | 7.3 | 123 | 115 | 3.8 | 47 | - |

SACRAMENTO RIVER
ENLARGED SHASTA DATA

Sta. A0 2815.00 Sacramento River @ Balls Ferry

| Date | Time | Temp. (°F) | | D.O. (ppm) | pH | E.C. (umhos/cm) | | Turb. (NTU) | Alk. (mg/L) | TSS (mg/L) |
|----------|------|---------------|------------------|---------------|-----|--------------------|------|----------------|----------------|---------------|
| | | Air | H ₂ O | | | Field | Lab. | | | |
| 4-29-83 | 1130 | 72 | 52 | 10.0 | 7.0 | 90 | 83 | 14 | 33 | - |
| 5- 6-83 | 1150 | - | 53 | - | - | - | - | - | - | - |
| 6- 2-83 | 0900 | - | 51 | - | - | 97 | 94 | 7.5 | 39 | - |
| 6-20-83 | 0900 | 76 | 52 | 10.9 | 7.2 | 98 | 88 | 4.4 | 39 | - |
| 7-15-83 | 1030 | 77.5 | 54 | 10.7 | 7.3 | 98 | 92 | 3.7 | 39 | 2.1 |
| 8-18-83 | 1245 | 88 | 54 | 10.9 | 7.3 | 100 | 97 | 2.4 | 40 | 2.3 |
| 9-12-83 | 1100 | - | 56 | - | - | - | 95 | 2.8 | - | - |
| 9-21-83 | 1000 | 81 | 56 | 10.1 | 7.2 | 99 | 100 | 2.0 | 41 | 8.8 |
| 10-20-83 | 1245 | 73 | 56 | 10.7 | 7.3 | 98 | 94 | 2.6 | 40 | 3.3 |
| 11-10-83 | - | - | 53.5 | - | - | - | 105 | 6.4 | 40 | - |
| 12- 1-83 | 1330 | 58 | 54 | 10.3 | 7.2 | 118 | 112 | 3.3 | 47 | 1.6 |
| 12-27-83 | 1130 | 49 | 49 | 10.9 | 6.9 | 80 | 87 | 21 | 34 | - |
| 1-11-84 | 1030 | 58 | 48 | 11.4 | 7.2 | 109 | 105 | 7.5 | 44 | 5.3 |
| 2- 3-84 | 1045 | 55 | 48 | 11.6 | 7.1 | - | 102 | 8.0 | 41 | - |
| 3- 5-84 | 1325 | 76 | 51 | 11.8 | 7.3 | 130 | 130 | 5.2 | 51 | 4.9 |
| 3-14-84 | 1000 | 59 | 51 | 8.8 | 7.2 | 130 | 125 | 27 | 50 | - |
| 3-28-84 | 1200 | 65 | 50 | 11.4 | 7.3 | 119 | 125 | 4.2 | 51 | 3.4 |
| 4-20-84 | 0930 | 60 | 51 | 10.8 | 7.2 | 122 | 126 | 5.0 | 48 | - |
| 5- 2-84 | 1115 | 72 | 51 | 11.6 | 7.3 | 138 | 125 | 3.1 | 51 | 8.3 |
| 5-29-84 | 1305 | 101 | 55 | 11.0 | 7.2 | 130 | 144 | 2.3 | 66 | - |
| 6-21-84 | 0955 | 75 | 54 | 10.8 | 7.1 | 138 | 126 | 6.0 | 50 | - |

SACRAMENTO RIVER
ENLARGED SHASTA DATA

Sta. A0 2820.00 Sacramento River above Cow Creek (at Deschutes Road)

| Date | Time | Temp. (°F) | | D.O. (ppm) | pH | E.C. (umhos/cm) | | Turb. (NTU) | Alk. (mg/L) | TSS (mg/L) |
|----------|------|---------------|------------------|---------------|-----|--------------------|------|----------------|----------------|---------------|
| | | Air | H ₂ O | | | Field | Lab. | | | |
| 6- 1-83 | 1315 | - | 52.5 | - | - | 92 | 90 | 4.9 | 38 | - |
| 6-17-83 | 1100 | 88 | 54 | - | - | 90 | 87 | 4.0 | 37 | - |
| 7-15-83 | 1050 | 82 | 54 | - | - | 100 | 89 | 3.5 | 38 | - |
| 8-17-83 | 1000 | 85 | 54 | - | - | 94 | 90 | 2.5 | 39 | - |
| 9-12-83 | 1200 | - | 56 | - | - | - | 90 | 2.0 | - | - |
| 9-21-83 | 1100 | 76 | 55 | 10.6 | 7.3 | 99 | 91 | 2.0 | 40 | - |
| 10-20-83 | 1215 | 69 | 55.5 | 11.1 | 7.2 | 91 | 90 | 2.2 | 39 | - |
| 11-10-83 | - | - | 54 | - | - | - | 98 | 6.1 | 39 | - |
| 11-30-83 | 1300 | 62 | 54 | 10.3 | 7.2 | 109 | 105 | 2.6 | 46 | - |
| 12-22-83 | 1130 | 55.5 | 52 | 12.2 | 7.0 | 102 | 100 | 6.4 | 42 | - |
| 1-11-84 | 1130 | 60 | 48 | 11.3 | 7.2 | 115 | 106 | 6.6 | 45 | - |
| 2- 3-84 | 1130 | 62 | 48 | 11.8 | 7.2 | - | 97 | 7.0 | 42 | - |
| 2-23-84 | 1240 | 50 | 47 | 12.4 | 7.2 | 105 | 109 | 5.2 | 45 | - |
| 3-14-84 | 1030 | 58 | 50 | 11.3 | 7.2 | 120 | 117 | 11 | 50 | - |
| 3-28-84 | 1230 | 67 | 49 | 12.4 | 7.4 | 110 | 117 | 3.3 | 51 | - |
| 4-20-84 | 1010 | 61 | 49 | 11.8 | 7.3 | 112 | 115 | 3.4 | 47 | - |
| 5- 2-84 | 1045 | 70 | 49 | 11.8 | 7.4 | 119 | 114 | 3.1 | 50 | - |
| 5-29-84 | 1230 | 95.5 | 53.5 | 12.2 | 7.6 | 122 | 109 | 2.7 | 54 | - |
| 6-22-84 | 1315 | 94 | 56 | 12.1 | 7.6 | 115 | 111 | 5.9 | 46 | - |

SACRAMENTO RIVER
ENLARGED SHASTA DATA

Sta. A0 2833.00 Sacramento River above Clear Creek

| Date | Time | Temp. (°F) | | D.O. (ppm) | pH | E.C. (umhos/cm) | | Turb. (NTU) | Alk. (mg/L) | TSS (mg/L) |
|----------|------|---------------|------|---------------|-----|--------------------|------|----------------|----------------|---------------|
| | | Air | H2O | | | Field | Lab. | | | |
| 5- 6-83 | 0900 | - | 49.5 | - | - | 86 | 87 | 10 | 35 | - |
| 6- 1-83 | 1230 | - | - | - | - | 91 | 88 | 5.7 | 36 | - |
| 6-17-83 | 1145 | 90 | 54 | - | - | 87 | 84 | 4.1 | 36 | - |
| 7-15-83 | 1150 | 84 | 54 | - | - | 97 | 88 | 4.3 | 40 | - |
| 8-17-83 | 1030 | - | 54 | - | - | 97 | 89 | 2.6 | 39 | - |
| 9-12-83 | 1215 | - | 56 | - | - | - | 92 | 2.6 | - | - |
| 9-21-83 | 1120 | 86 | 55 | 11.4 | 7.3 | 90 | 90 | 2.0 | 38 | - |
| 10-20-83 | 1130 | - | 56 | 10.6 | 7.3 | 96 | 88 | 2.2 | 38 | - |
| 11-10-83 | - | - | 54 | - | - | - | 98 | 5.5 | 39 | - |
| 11-30-83 | 1200 | 57 | 54 | 10.4 | 7.2 | 112 | 104 | 2.8 | 46 | - |
| 12-22-83 | 1115 | - | 51 | 12.2 | 7.2 | 102 | 95 | 6.6 | 44 | - |
| 1-11-84 | 1215 | 58 | 48 | 11.4 | 7.2 | 110 | 107 | 6.2 | 45 | - |
| 2- 3-84 | 1200 | 71 | 48 | 12.5 | 7.2 | - | 95 | 7.0 | 39 | - |
| 2-23-84 | 1310 | 55 | 47 | 12.4 | 7.2 | 101 | 105 | 5.3 | 47 | - |
| 3-14-84 | 1100 | 68 | 49 | 11.7 | 7.2 | 119 | 114 | 6.3 | 49 | - |
| 3-28-84 | 1315 | 72 | 50 | 12.7 | 7.7 | 115 | 117 | 3.3 | 51 | - |
| 4-20-84 | 1040 | 63 | 49 | 12.0 | 7.4 | 112 | 112 | 3.0 | 46 | - |
| 5- 2-84 | 1000 | 69 | 50 | 11.8 | 7.4 | 120 | 112 | 3.1 | 48 | - |
| 5-29-84 | 1150 | 95.5 | 52 | 12.1 | 7.6 | 115 | 105 | 2.7 | 51 | - |
| 6-21-84 | 1015 | 72 | 52 | 11.8 | 7.3 | 115 | 109 | 2.6 | 46 | - |

SACRAMENTO RIVER
ENLARGED SHASTA DATA

Sta. A2 1010.00 Sacramento River @ Keswick

| Date | Time | Temp. (°F) | | D.O. (ppm) | pH | E.C. (umhos/cm) | | Turb. (NTU) | Alk. (mg/L) | TSS (mg/L) |
|----------|------|---------------|------|---------------|-----|--------------------|------|----------------|----------------|---------------|
| | | Air | H2O | | | Field | Lab. | | | |
| 4-29-83 | 0940 | 65 | 48 | 11.6 | 7.0 | 82 | 77 | 11 | 31 | - |
| 5- 5-83 | 1130 | - | 48 | - | - | 87 | 85 | 10 | 34 | - |
| 5- 9-83 | 1245 | - | - | - | - | 94 | 96 | 11 | 34 | - |
| 6- 1-83 | 1240 | - | 49 | - | - | 92 | 91 | 6.2 | 37 | - |
| 6-17-83 | 1300 | 88 | 52 | 11.1 | 7.1 | 86 | 89 | 3.0 | 38 | 3.7 |
| 7-15-83 | 1300 | 90 | 52 | 11.7 | 7.1 | 96 | 89 | 3.7 | 38 | 2.6 |
| 8-17-83 | 1130 | 96 | 53 | 10.0 | 7.1 | 96 | 88 | 2.4 | 38 | 0.5 |
| 9-12-83 | 1300 | - | 55 | - | - | - | 89 | 3.3 | - | - |
| 9-21-83 | 1310 | 89 | 53.5 | 9.7 | 7.1 | 91 | 90 | 2.0 | 39 | 3.3 |
| 10-20-83 | 1030 | 70 | 55 | 9.1 | 7.1 | 95 | 90 | 2.2 | 37 | 1.3 |
| 11-10-83 | - | - | 54 | - | - | - | 98 | 4.7 | 40 | - |
| 11-30-83 | 1100 | 53 | 54 | 9.6 | 7.1 | 110 | 105 | 2.6 | 46 | 5.0 |
| 12-22-83 | 1030 | 53.5 | 51 | 12.5 | 7.2 | 105 | 98 | 4.9 | 40 | |
| 1-11-84 | 1245 | 60 | 47 | 11.5 | 7.0 | 107 | 102 | 8.7 | 41 | 4.4 |
| 2- 3-84 | 1250 | 74 | 47 | 11.5 | 7.0 | - | 96 | 8.0 | 39 | - |
| 2-23-84 | 1405 | 58 | 47 | 11.5 | 7.2 | 103 | 109 | 5.5 | 48 | - |
| 3-14-84 | 1200 | 67 | 48 | 11.2 | 7.2 | 118 | 114 | 4.4 | 48 | - |
| 3-28-84 | 1415 | 71 | 47 | 11.4 | 7.0 | 112 | 117 | 5.3 | 45 | 2.3 |
| 4-20-84 | 1150 | 68 | 49 | 11.6 | 7.1 | 118 | 114 | 2.7 | 49 | - |
| 5- 2-84 | -915 | 69 | 47 | 10.6 | 7.3 | 120 | 112 | 2.5 | 47 | 3.9 |
| 5-29-84 | 1100 | 99 | 49 | 10.6 | 7.3 | 115 | 108 | 2.5 | 52 | - |
| 6-21-84 | 1245 | 81 | 55 | 10.6 | 7.2 | 120 | 112 | 3.0 | 46 | - |

SACRAMENTO RIVER
ENLARGED SHASTA DATA

Sta. A2 1040.00 Sacramento River @ Matheson

| Date | Time | Temp. (°F) | | D.O. (ppm) | pH | E.C. (umhos/cm) | | Turb. (NTU) | Alk. (mg/L) | TSS (mg/L) |
|----------|------|---------------|------------------|---------------|-----|--------------------|------|----------------|----------------|---------------|
| | | Air | H ₂ O | | | Field | Lab. | | | |
| 4-29-83 | 0820 | 60 | 49 | 10.7 | 7.2 | 96 | 91 | 12 | 38 | - |
| 5- 9-83 | 1130 | - | 49 | - | - | - | - | - | - | - |
| 6- 1-83 | 1030 | - | 48.5 | 10.6 | - | - | 90 | 5.5 | 40 | - |
| 6-20-83 | 1100 | 74 | 50 | 10.4 | 7.2 | 100 | 91 | 4.4 | 40 | 4.6 |
| 7-15-83 | 1415 | 87 | 50 | 10.7 | 7.2 | 100 | 89 | 3.7 | 39 | 1.3 |
| 8-17-83 | 1245 | 88 | 51 | 10.1 | 7.2 | 97 | 90 | 2.3 | 39 | 0.8 |
| 9- 8-83 | 1330 | - | - | - | - | - | 92 | 2.1 | - | - |
| 9-21-83 | 1340 | 80 | 54.5 | 10.1 | 7.3 | 97 | 90 | 2.0 | 39 | 5.4 |
| 10-20-83 | 0900 | 63 | 54.5 | 9.1 | 7.1 | 96 | 90 | 1.9 | 39 | 1.7 |
| 11-10-83 | - | - | 53.5 | - | - | - | 101 | 3.2 | 45 | - |
| 11-30-83 | 0930 | 52 | 54 | 9.7 | 7.1 | 118 | 109 | 2.6 | 48 | 5.5 |
| 12-22-83 | 0930 | - | 52 | 12.8 | 7.0 | 98 | 103 | 3.9 | 44 | - |
| 1-11-84 | 1315 | 67 | 48 | 11.4 | 7.3 | 113 | 107 | 6.7 | 46 | 1.5 |
| 2- 3-84 | 1355 | 75.5 | 49 | 12.3 | 7.3 | - | 106 | 8.0 | 47 | - |
| 2-23-84 | 1515 | 54 | 49 | 12.4 | 7.3 | 105 | 112 | 4.8 | 52 | 7.3 |
| 3-14-84 | 1300 | 58 | 47 | 11.4 | 7.2 | 118 | 114 | 61 | 50 | - |
| 3-28-84 | 1500 | 67 | 46 | 11.6 | 7.4 | 112 | 118 | 3.0 | 51 | 1.7 |
| 4-20-84 | 1240 | 68 | 49 | 11.9 | 7.3 | 118 | 115 | 2.8 | 50 | - |
| 5- 2-84 | 0815 | 67 | 48 | 10.9 | 7.3 | 118 | 114 | 2.7 | 49 | 2.4 |
| 5-29-84 | 1010 | 91 | 49 | 11.1 | 7.4 | 115 | 107 | 2.6 | 49 | - |
| 6-21-84 | 1115 | 70 | 51 | 12.7 | 7.8 | 113 | 112 | 2.2 | 47 | - |

ATTACHMENT C

SHASTA RESERVOIR TRIBUTARIES MONITORING
STATIONS DATA

SHASTA TRIBUTARIES
ENLARGED SHASTA DATA

Sta. A2 1300.00 Sacramento River @ Delta

| Date | Time | Temp. (°F) | | D.O. (ppm) | pH | E.C. (umhos/cm) | | Turb. (NTU) | Alk. (mg/L) | TSS (mg/L) |
|----------|------|---------------|------|---------------|-----|--------------------|------|----------------|----------------|---------------|
| | | Air | H2O | | | Field | Lab. | | | |
| 4-27-83 | 1630 | 47 | 46 | 11.5 | 7.2 | 77 | 73 | 1.6 | 36 | - |
| 6-13-83 | 1445 | 86 | 55 | 10.6 | 7.4 | 69 | 64 | 2.9 | 32 | 5.2 |
| 7-13-83 | 1430 | 98 | 61.5 | 9.8 | 7.4 | 87 | 72 | 1.7 | 32 | 2.8 |
| 8-19-83 | 1300 | 66.5 | 64.5 | 9.2 | 7.8 | 115 | 110 | 0.7 | 48 | 4.3 |
| 9-19-83 | 1545 | 84 | 62 | 9.9 | 8.3 | 128 | 123 | 0.4 | 51 | 0.0 |
| 10-18-83 | 1345 | 68.5 | 56 | 10.0 | 8.3 | 123 | 119 | 1.1 | 53 | 1.4 |
| 11-29-83 | 1600 | 48.5 | 43 | 12.1 | 7.3 | 110 | 100 | 0.9 | 42 | 1.6 |
| 1- 9-84 | 1415 | 49 | 45 | 11.8 | 7.1 | 81 | 81 | 1.7 | 36 | 3.1 |
| 2-24-84 | 1505 | 53 | 46 | 12.0 | 7.4 | 90 | 92 | 1.0 | 42 | 1.3 |
| 3-28-84 | 1630 | 67 | 52 | 11.0 | 7.6 | 93 | 93 | 1.4 | 42 | 0.9 |
| 5- 3-84 | 1315 | 68 | 51 | 11.2 | 7.4 | 90 | 91 | 1.3 | 39 | 1.5 |
| 6-18-84 | 1330 | 102.5 | 69 | 9.7 | 8.2 | 110 | 112 | 0.7 | 48 | 0.7 |
| 7-20-84 | 1400 | - | 74 | 9.3 | 8.3 | 135 | 134 | 1.2 | 55 | - |
| 8-23-84 | 1330 | 90 | 64 | - | 8.2 | 140 | 147 | 0.9 | 61 | - |
| 9-19-84 | 1330 | 90 | 72 | 10.6 | 8.3 | 143 | 150 | 0.5 | 57 | - |
| 10-24-84 | 1400 | 84 | 50.5 | 11.4 | 7.8 | 147 | 133 | 0.7 | 61 | - |

SHASTA TRIBUTARIES
ENLARGED SHASTA DATA

Sta. A2 2150.00 McCloud River above Shasta Lake

| Date | Time | Temp. (°F) | | D.O. (ppm) | pH | E.C. (umhos/cm) | | Turb. (NTU) | Alk. (mg/L) | TSS (mg/L) |
|----------|------|---------------|------------------|---------------|-----|--------------------|------|----------------|----------------|---------------|
| | | Air | H ₂ O | | | Field | Lab. | | | |
| 4-27-83 | 1430 | 53 | 47 | 11.5 | 7.3 | 90 | 83 | 1.6 | 40 | - |
| 6-13-83 | 1250 | 84 | 56.5 | 10.3 | 7.6 | 95 | 87 | 1.4 | 41 | 1.3 |
| 7-13-83 | 1245 | 95 | 63 | 9.9 | 8.0 | 112 | 98 | 1.6 | 47 | 1.3 |
| 8-19-83 | 1115 | 65.5 | 59.5 | 9.7 | 7.6 | 105 | 98 | 1.0 | 45 | 0.1 |
| 9-19-83 | 1330 | 77 | 58 | 10.5 | 8.1 | 100 | 104 | 0.4 | 47 | 0.1 |
| 10-18-83 | 1200 | 73 | 48.5 | 10.1 | 8.1 | 105 | 103 | 1.8 | 49 | 1.7 |
| 11-29-83 | 1400 | 50 | 43 | 12.1 | 7.3 | 110 | 102 | 0.9 | 45 | 2.0 |
| 1- 9-84 | 1330 | 41 | 44 | 12.2 | 7.3 | 99 | 99 | 1.0 | 42 | 0.7 |
| 2-24-84 | 1320 | 48 | 45 | 12.2 | 7.6 | - | 103 | 0.5 | 45 | 1.5 |
| 3-28-84 | 1430 | 72 | 51 | 10.8 | 7.6 | 107 | 102 | 1.4 | 45 | 0.2 |
| 5- 3-84 | 1120 | 68.5 | 52 | 11.0 | 7.8 | 118 | 110 | 0.9 | 50 | 0.5 |
| 6-18-84 | 1200 | 92 | 60 | 9.9 | 7.8 | 110 | 108 | 0.7 | 48 | 1.3 |
| 7-20-84 | 1230 | - | 64 | 9.6 | 8.1 | 107 | 107 | 1.4 | 48 | - |
| 8-23-84 | 1150 | 80 | 60 | - | 7.9 | 108 | 110 | 0.6 | 47 | - |
| 9-19-84 | 1200 | 85 | 58 | 10.4 | 7.8 | 110 | 113 | 0.9 | 50 | - |
| 10-24-84 | 1230 | 76 | 47 | 11.7 | 7.5 | 110 | 99 | 0.8 | 50 | - |

SHASTA TRIBUTARIES
ENLARGED SHASTA DATA

Sta. A2 4100.00 Squaw Creek above Shasta Lake

| Date | Time | Temp. (°F) | | D.O. (ppm) | pH | E.C. (umhos/cm) | | Turb. (NTU) | Alk. (mg/L) | TSS (mg/L) |
|----------|------|---------------|------|---------------|-----|--------------------|------|----------------|----------------|---------------|
| | | Air | H2O | | | Field | Lab. | | | |
| 4-27-83 | 1230 | 54 | 47 | 11.4 | 7.4 | 145 | 137 | 1.2 | 66 | - |
| 6-13-83 | 1030 | 72 | 58 | 10.0 | 7.7 | 195 | 182 | 0.6 | 84 | 2.4 |
| 7-13-83 | 1020 | 78 | 65 | 9.2 | 7.9 | 212 | 190 | 0.9 | 92 | 1.5 |
| 8-19-83 | 0915 | 64.5 | 67 | 8.4 | 7.9 | 220 | 205 | 0.4 | 96 | 0.6 |
| 9-19-83 | 1100 | 70.5 | 61 | 9.4 | 7.9 | 225 | 211 | 0.4 | 98 | 0.0 |
| 10-18-83 | 1000 | 51 | 49.5 | 10.2 | 7.7 | 230 | 213 | 0.7 | 100 | 0.7 |
| 11-29-83 | 1200 | 43 | 44 | 12.1 | 7.5 | 185 | 176 | 0.5 | 80 | 1.3 |
| 1- 9-84 | 1100 | 45.5 | 48 | 10.1 | 6.7 | 130 | 140 | 0.7 | 59 | 0.9 |
| 2-24-84 | 1125 | 47 | 45 | 11.9 | 7.5 | 175 | 175 | 0.3 | 78 | 2.5 |
| 3-28-84 | 1300 | 67 | 49 | 11.2 | 7.8 | 182 | 181 | 0.7 | 81 | 0.2 |
| 5- 3-84 | 0945 | 58 | 50 | 11.6 | 7.4 | 195 | 182 | 0.6 | 80 | 0.4 |
| 6-18-84 | 1015 | 77 | 62 | 9.9 | 7.9 | 220 | 210 | 0.5 | 94 | - |
| 7-20-84 | 1100 | 85 | 70 | 8.8 | 8.0 | 225 | 215 | 1.2 | 97 | 10.0 |
| 8-23-84 | 1000 | 71 | 63 | - | 7.8 | 228 | 219 | 0.5 | 99 | - |
| 9-19-84 | 1030 | 69 | 62 | 8.7 | 7.6 | 219 | 225 | 0.5 | 100 | - |
| 10-24-84 | 1100 | 42 | 47.5 | 12.6 | 7.3 | 199 | 205 | 0.7 | 99 | - |

SHASTA TRIBUTARIES
ENLARGED SHASTA DATA

Sta. A1 1020.00 Pit River near Montgomery Creek

| Date | Time | Temp. (°F) | | D.O. (ppm) | pH | E.C. (umhos/cm) | | Turb. (NTU) | Alk. (mg/L) | TSS (mg/L) |
|----------|------|---------------|------------------|---------------|-----|--------------------|------|----------------|----------------|---------------|
| | | Air | H ₂ O | | | Field | Lab. | | | |
| 4-27-83 | 0845 | 48.5 | 49 | 11.2 | 7.4 | 123 | 111 | 3.8 | 56 | - |
| 6-13-83 | 0845 | 66 | 63 | 9.1 | 7.6 | 123 | 113 | 3.1 | 55 | 49.2 |
| 7-13-83 | 0830 | 72 | 63 | 9.5 | 8.0 | 130 | 121 | 1.8 | 60 | 1.1 |
| 8-19-83 | 0715 | 65.5 | 63.5 | 9.1 | 7.7 | 135 | 127 | 1.3 | 60 | 0.9 |
| 9-19-83 | 0845 | 61 | 59.5 | 10.0 | 7.8 | 152 | 129 | 0.8 | 61 | 0.2 |
| 10-18-83 | 0815 | 46 | 54 | 10.1 | 7.4 | 140 | 134 | 1.6 | 64 | 3.1 |
| 11-29-83 | 1000 | 40.5 | 45 | 11.7 | 7.3 | 138 | 130 | 4.5 | 63 | 6.4 |
| 1- 9-84 | 1000 | 49 | 42 | 11.6 | 7.3 | 119 | 117 | 16 | 51 | 22.1 |
| 2-24-84 | 0955 | 46 | 45 | 12.3 | 7.3 | 127 | 132 | 15 | 61 | 20.4 |
| 3-28-84 | 1015 | 56 | 49 | 10.9 | 7.5 | 125 | 128 | 8.9 | 57 | 10.5 |
| 5- 3-84 | 0815 | 56 | 51 | 11.0 | 7.6 | 130 | 129 | 4.1 | 59 | 5.5 |
| 6-18-84 | 0900 | 80 | 62 | 9.8 | 7.8 | 130 | 134 | 3.0 | 61 | - |
| 7-20-84 | 0930 | 83 | 66 | 9.5 | 8.2 | 137 | 140 | 1.8 | 61 | - |
| 8-23-84 | 0830 | 63 | 63 | - | 7.7 | 140 | 143 | 1.0 | 62 | - |
| 9-19-84 | 0830 | 72 | 60 | 10.1 | 7.8 | 145 | 145 | 0.8 | 66 | - |
| 10-24-84 | 0900 | 40 | 50.5 | 11.8 | 7.3 | 120 | 130 | 2.0 | 65 | - |

ATTACHMENT D

PROFILE DATA FROM SHASTA RESERVOIR

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 043.2 225.0 @ Dam June 23, 1983 @ 0830 Hrs. Secchi 5.6,

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| Surf. | 21.5 | 8.4 | 7.5 | 79 | 1.7 | 33 | 66 | 8.75 | 9.45 | | | | |
| 1 | 21.5 | 8.4 | | | | | 67 | 8.75 | 9.45 | | | | |
| 2 | 21.25 | 8.3 | | | | | 68 | 8.75 | 9.45 | | | | |
| 3 | 21.25 | 8.3 | 7.5 | 78 | 1.7 | 34 | 69 | 8.5 | 9.45 | | | | |
| 4 | 21.25 | 8.3 | | | | | 70 | 8.5 | 9.45 | 7.2 | 89 | 4.0 | 40 |
| 5 | 21.25 | 8.25 | | | | | 71 | 8.5 | 9.45 | | | | |
| 6 | 21.0 | 8.25 | 7.5 | 80 | 1.6 | - | 72 | 8.25 | 9.45 | | | | |
| 7 | 21.0 | 8.20 | | | | | 73 | 8.25 | 9.45 | | | | |
| 8 | 20.5 | 8.20 | | | | | 74 | 8.25 | 9.45 | | | | |
| 9 | 16.75 | 8.8 | 7.3 | 91 | 2.2 | - | 75 | 8.25 | 9.45 | 7.2 | 90 | 4.4 | - |
| 10 | 15.0 | 8.7 | | | | | 76 | 8.25 | 9.45 | | | | |
| 11 | 14.75 | 8.7 | | | | | 77 | 8.25 | 9.45 | | | | |
| 12 | 14.5 | 8.6 | 7.3 | 91 | 2.4 | 35 | 78 | 8.25 | 9.45 | | | | |
| 13 | 14.25 | 8.55 | | | | | 79 | 8.25 | 9.45 | | | | |
| 14 | 13.75 | 8.6 | | | | | 80 | 8.25 | 9.45 | 7.2 | 90 | 4.7 | 40 |
| 15 | 13.5 | 8.65 | 7.3 | 88 | 2.5 | - | 81 | 8.25 | 9.45 | | | | |
| 16 | 13.25 | 8.7 | | | | | 82 | 8.25 | 9.5 | | | | |
| 17 | 13.0 | 8.75 | | | | | 83 | 8.25 | 9.5 | | | | |
| 18 | 12.75 | 8.85 | 7.3 | 89 | 2.7 | - | 84 | 8.25 | 9.45 | | | | |
| 19 | 12.5 | 8.8 | | | | | 85 | 8.25 | 9.45 | 7.2 | 92 | 5.4 | - |
| 20 | 12.25 | 8.9 | | | | | 86 | 8.0 | 9.45 | | | | |
| 21 | 12.0 | 8.9 | 7.3 | 87 | 2.5 | 35 | 87 | 8.0 | 9.45 | | | | |
| 22 | 12.0 | 8.95 | | | | | 88 | 8.0 | 9.4 | | | | |
| 23 | 11.75 | 9.0 | | | | | 89 | 8.0 | 9.4 | | | | |
| 24 | 11.5 | 8.9 | 7.2 | 81 | 2.6 | - | 90 | 8.0 | 9.4 | 7.2 | 85 | 5.1 | 41 |
| 25 | 11.25 | 9.0 | | | | | 91 | 8.0 | 9.4 | | | | |
| 26 | 11.25 | 9.0 | | | | | 92 | 8.0 | 9.4 | | | | |
| 27 | 11.0 | 9.0 | 7.2 | 86 | 2.7 | - | 93 | 8.0 | 9.4 | | | | |
| 28 | 11.0 | 9.05 | | | | | 94 | 8.0 | 9.4 | | | | |
| 29 | 11.0 | 9.05 | | | | | 95 | 8.0 | 9.4 | 7.2 | 97 | 9.6 | - |
| 30 | 11.0 | 9.05 | 7.2 | 90 | 2.7 | 37 | 96 | 8.0 | 9.35 | | | | |
| 31 | 10.75 | 9.05 | | | | | 97 | 8.0 | 9.35 | | | | |
| 32 | 10.75 | 9.10 | | | | | 98 | 8.0 | 9.35 | | | | |
| 33 | 10.5 | 9.10 | | | | | 99 | 8.0 | 9.35 | | | | |
| 34 | 10.5 | 9.10 | | | | | 100 | - | 10.0 | 7.2 | 98 | 7.3 | 43 |
| 35 | 10.25 | 9.10 | 7.2 | 93 | 3.0 | - | 105 | - | 10.1 | 7.2 | 100 | 7.6 | - |
| 36 | 10.25 | 9.10 | | | | | 110 | - | 10.1 | 7.2 | 96 | 7.6 | 46 |
| 37 | 10.25 | 9.15 | | | | | 115 | - | 10.1 | 7.2 | 101 | 8.0 | - |
| 38 | 10.0 | 9.15 | | | | | 120 | - | 10.1 | 7.2 | 99 | 8.4 | 46 |
| 39 | 10.0 | 9.15 | | | | | 125 | - | 9.8 | 7.2 | 96 | 8.9 | - |
| 40 | 10.0 | 9.2 | 7.2 | 87 | 3.2 | 40 | 130 | - | 9.8 | 7.2 | 98 | 9.2 | 46 |
| 41 | 10.0 | 9.2 | | | | | 135 | - | 9.6 | 7.1 | 98 | 9.6 | - |
| 42 | 10.0 | 9.2 | | | | | 140 | - | 9.5 | 7.1 | 102 | 11.0 | 48 |
| 43 | 9.75 | 9.2 | | | | | 143 | - | 9.5 | 7.1 | 104 | 11.0 | 47 |
| 44 | 9.75 | 9.2 | | | | | 145.5 | - | - | Bottom | | | |
| 45 | 9.5 | 9.25 | 7.2 | 91 | 3.4 | - | | | | | | | |
| 46 | 9.5 | 9.3 | | | | | | | | | | | |
| 47 | 9.5 | 9.3 | | | | | | | | | | | |
| 48 | 9.5 | 9.3 | | | | | | | | | | | |
| 49 | 9.5 | 9.3 | | | | | | | | | | | |
| 50 | 9.5 | 9.35 | 7.2 | 91 | 3.6 | 40 | | | | | | | |
| 51 | 9.25 | 9.35 | | | | | | | | | | | |
| 52 | 9.25 | 9.40 | | | | | | | | | | | |
| 53 | 9.25 | 9.40 | | | | | | | | | | | |
| 54 | 9.25 | 9.40 | | | | | | | | | | | |
| 55 | 9.25 | 9.40 | 7.2 | 91 | 3.7 | - | | | | | | | |
| 56 | 9.0 | 9.45 | | | | | | | | | | | |
| 57 | 9.0 | 9.45 | | | | | | | | | | | |
| 58 | 9.0 | 9.40 | | | | | | | | | | | |
| 59 | 9.0 | 9.45 | | | | | | | | | | | |
| 60 | 9.0 | 9.45 | 7.2 | 89 | 3.9 | 40 | | | | | | | |
| 61 | 9.0 | 9.45 | | | | | | | | | | | |
| 62 | 9.0 | 9.45 | | | | | | | | | | | |
| 63 | 8.75 | 9.45 | | | | | | | | | | | |
| 64 | 8.75 | 9.45 | | | | | | | | | | | |
| 65 | 8.75 | 9.45 | 7.2 | 89 | 4.0 | - | | | | | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 043.2 225.0 @ Dam July 29, 1983 @ 0830 Hrs. Secchi 3.9m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| Surf. | 23.5 | 8.3 | 7.6 | 85 | 1.3 | 40 | 66 | 9.3 | 9.3 | | | | |
| 1 | 23.5 | 8.3 | | | | | 67 | 9.2 | 9.3 | | | | |
| 2 | 23.5 | 8.2 | | | | | 68 | 9.2 | 9.3 | | | | |
| 3 | 23.5 | 8.3 | 7.6 | 86 | 1.4 | 39 | 69 | 9.1 | 9.3 | | | | |
| 4 | 23.4 | 8.2 | | | | | 70 | 9.1 | 9.3 | 7.3 | 87 | 3.5 | 41 |
| 5 | 23.4 | 8.3 | | | | | 71 | 9.1 | 9.3 | | | | |
| 6 | 23.4 | 8.2 | 7.8 | 85 | 1.2 | - | 72 | 9.1 | 9.3 | | | | |
| 7 | 23.4 | 8.2 | | | | | 73 | 9.1 | 9.3 | | | | |
| 8 | 23.3 | 8.2 | | | | | 74 | 9.0 | 9.3 | | | | |
| 9 | 23.3 | 8.2 | 7.8 | 87 | 1.3 | - | 75 | 9.0 | 9.3 | 7.3 | 87 | 3.4 | - |
| 10 | 21.5 | 8.0 | | | | | 76 | 8.9 | 9.3 | | | | |
| 11 | 18.2 | 7.6 | | | | | 77 | 8.8 | 9.3 | | | | |
| 12 | 17.6 | 7.5 | 7.3 | 104 | 1.9 | 50 | 78 | 8.8 | 9.3 | | | | |
| 13 | 17.0 | 7.4 | | | | | 79 | 8.8 | 9.3 | | | | |
| 14 | 16.2 | 7.4 | | | | | 80 | 8.7 | 9.3 | 7.3 | 88 | 4.0 | 41 |
| 15 | 16.1 | 7.4 | 7.3 | 107 | 1.8 | - | 81 | 8.6 | 9.3 | | | | |
| 16 | 15.9 | 7.6 | | | | | 82 | 8.6 | 9.3 | | | | |
| 17 | 15.8 | 7.6 | | | | | 83 | 8.6 | 9.2 | | | | |
| 18 | 15.3 | 7.7 | 7.3 | 104 | 1.9 | - | 84 | 8.6 | 9.2 | | | | |
| 19 | 15.2 | 7.7 | | | | | 85 | 8.6 | 9.2 | 7.3 | 89 | 4.8 | - |
| 20 | 15.0 | 7.8 | | | | | 86 | 8.5 | 9.2 | | | | |
| 21 | 14.9 | 7.9 | 7.3 | 99 | 1.9 | 46 | 87 | 8.4 | 9.2 | | | | |
| 22 | 14.8 | 8.0 | | | | | 88 | 8.4 | 9.2 | | | | |
| 23 | 14.5 | 8.2 | | | | | 89 | 8.3 | 9.2 | | | | |
| 24 | 14.0 | 8.2 | 7.3 | 89 | 2.0 | - | 90 | 8.3 | 9.2 | 7.3 | 89 | 5.0 | 42 |
| 25 | 13.8 | 8.3 | | | | | 91 | 8.3 | 9.2 | | | | |
| 26 | 13.5 | 8.4 | | | | | 92 | 8.3 | 9.2 | | | | |
| 27 | 13.2 | 8.4 | 7.3 | 86 | 2.2 | - | 93 | 8.3 | 9.1 | | | | |
| 28 | 13.0 | 8.5 | | | | | 94 | 8.2 | 9.1 | | | | |
| 29 | 12.8 | 8.6 | | | | | 95 | 8.1 | 9.0 | 7.3 | 92 | 6.2 | - |
| 30 | 12.5 | 8.7 | 7.3 | 86 | 2.5 | 40 | 96 | 8.1 | 9.0 | | | | |
| 31 | 12.2 | 8.8 | | | | | 97 | 8.1 | 9.0 | | | | |
| 32 | 12.1 | 9.0 | | | | | 98 | 8.1 | 9.0 | | | | |
| 33 | 11.9 | 9.0 | | | | | 99 | - | - | | | | |
| 34 | 11.7 | 9.1 | | | | | 100 | - | - | 7.3 | 94 | 6.7 | 43 |
| 35 | 11.5 | 9.1 | 7.3 | 84 | 2.7 | - | 105 | - | - | 7.3 | 91 | 6.9 | - |
| 36 | 11.2 | 9.1 | | | | | 110 | 11.7 | 9.5 | 7.3 | 97 | 7.1 | 45 |
| 37 | 11.2 | 9.1 | | | | | 115 | - | - | 7.3 | 96 | 8.0 | - |
| 38 | 11.2 | 9.1 | | | | | 120 | 11.7 | 9.6 | 7.3 | 99 | 8.4 | 45 |
| 39 | 11.0 | 9.1 | | | | | 125 | - | - | 7.3 | 98 | 8.4 | - |
| 40 | 11.0 | 9.1 | 7.3 | 84 | 2.8 | 37 | 130 | 11.1 | 9.4 | 7.3 | 100 | 8.8 | 45 |
| 41 | 10.9 | 9.2 | | | | | 135 | 11.1 | - | 7.3 | 101 | 10.0 | - |
| 42 | 10.9 | 9.2 | | | | | 140 | 11.9 | 9.0 | 7.3 | 99 | 14.0 | 46 |
| 43 | 10.7 | 9.2 | | | | | 145 | - | - | | | | |
| 44 | 10.7 | 9.2 | | | | | 148 | 10.3 | 8.8 | 7.3 | 100 | 12.0 | 47 |
| 45 | 10.6 | 9.2 | 7.3 | 87 | 2.9 | - | 148.2 | - | - | Bottom | | | |
| 46 | 10.5 | 9.2 | | | | | | | | | | | |
| 47 | 10.5 | 9.2 | | | | | | | | | | | |
| 48 | 10.4 | 9.2 | | | | | | | | | | | |
| 49 | 10.3 | 9.3 | | | | | | | | | | | |
| 50 | 10.2 | 9.3 | 7.3 | 84 | 2.7 | 40 | | | | | | | |
| 51 | 10.2 | 9.3 | | | | | | | | | | | |
| 52 | 10.1 | 9.3 | | | | | | | | | | | |
| 53 | 10.1 | 9.3 | | | | | | | | | | | |
| 54 | 10.1 | 9.3 | | | | | | | | | | | |
| 55 | 10.0 | 9.3 | 7.3 | 86 | 2.4 | - | | | | | | | |
| 56 | 10.0 | 9.3 | | | | | | | | | | | |
| 57 | 9.9 | 9.3 | | | | | | | | | | | |
| 58 | 9.8 | 9.3 | | | | | | | | | | | |
| 59 | 9.8 | 9.3 | | | | | | | | | | | |
| 60 | 9.7 | 9.3 | 7.3 | 89 | 2.5 | 41 | | | | | | | |
| 61 | 9.6 | 9.3 | | | | | | | | | | | |
| 62 | 9.5 | 9.3 | | | | | | | | | | | |
| 63 | 9.4 | 9.3 | | | | | | | | | | | |
| 64 | 9.3 | 9.3 | | | | | | | | | | | |
| 65 | 9.2 | 9.3 | 7.3 | 87 | 3.1 | - | | | | | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 043.2 225.0 @ Dam May 18, 1983 @ 0700 Hrs. Secchi 2.4m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| Surf. | 15.0 | 10.0 | 7.4 | 76 | 2.4 | 31 | 66 | 7.2 | 10.2 | | | | |
| 1 | 15.0 | 10.0 | | | | | 67 | 7.2 | 10.2 | | | | |
| 2 | 15.0 | 10.0 | | | | | 68 | 7.1 | 10.2 | | | | |
| 3 | 15.0 | 10.0 | 7.4 | 76 | 2.4 | - | 69 | 7.1 | 10.2 | | | | |
| 4 | 15.0 | 10.0 | | | | | 70 | 7.1 | 10.2 | 7.2 | 84 | 5.8 | 39 |
| 5 | 14.8 | 10.0 | | | | | 71 | 7.1 | 10.2 | | | | |
| 6 | 14.3 | 10.0 | 7.4 | 74 | 2.6 | 32 | 72 | 7.1 | 10.2 | | | | |
| 7 | 13.9 | 10.0 | | | | | 73 | 7.1 | 10.2 | | | | |
| 8 | 13.7 | 10.0 | | | | | 74 | 7.1 | 10.2 | | | | |
| 9 | 13.7 | 10.0 | 7.4 | 71 | 2.5 | - | 75 | 7.1 | 10.2 | 7.2 | 84 | 6.4 | - |
| 10 | 13.5 | 10.0 | | | | | 76 | 7.1 | 10.2 | | | | |
| 11 | 11.2 | 10.0 | | | | | 77 | 7.1 | 10.2 | | | | |
| 12 | 10.9 | 10.0 | 7.3 | 72 | 2.3 | 30 | 78 | 7.1 | 10.2 | | | | |
| 13 | 10.9 | 10.0 | | | | | 79 | 7.1 | 10.2 | | | | |
| 14 | 10.8 | 10.0 | | | | | 80 | 7.0 | 10.2 | 7.2 | 88 | 6.7 | 42 |
| 15 | 10.8 | 10.0 | 7.2 | 72 | 2.2 | - | 81 | 7.0 | 10.2 | | | | |
| 16 | 10.5 | 10.0 | | | | | 82 | 7.0 | 10.2 | | | | |
| 17 | 9.9 | 10.0 | | | | | 83 | 7.0 | 10.2 | | | | |
| 18 | 9.5 | 10.0 | 7.2 | 79 | 2.9 | 29 | 84 | 7.0 | 10.2 | | | | |
| 19 | 9.2 | 10.0 | | | | | 85 | 7.0 | 10.2 | 7.2 | 89 | 7.6 | - |
| 20 | 8.9 | 10.0 | | | | | 86 | 7.0 | 10.2 | | | | |
| 21 | 8.7 | 10.0 | 7.2 | 74 | 2.5 | - | 87 | 7.0 | 10.2 | | | | |
| 22 | 8.6 | 10.0 | | | | | 88 | 7.0 | 10.2 | | | | |
| 23 | 8.5 | 10.0 | | | | | 89 | 7.0 | 10.2 | | | | |
| 24 | 8.4 | 10.0 | 7.2 | 77 | 3.1 | 32 | 90 | 7.0 | 10.2 | 7.2 | 90 | 7.9 | 45 |
| 25 | 8.3 | 10.0 | | | | | 91 | 7.0 | 10.2 | | | | |
| 26 | 8.2 | 10.0 | | | | | 92 | 7.0 | 10.2 | | | | |
| 27 | 8.2 | 10.0 | 7.2 | 81 | 3.5 | - | 93 | 7.0 | 10.2 | | | | |
| 28 | 8.1 | 10.0 | | | | | 94 | 6.9 | 10.2 | | | | |
| 29 | 8.0 | 10.1 | | | | | 95 | 6.9 | 10.2 | 7.2 | 93 | 8.6 | - |
| 30 | 8.0 | 10.1 | 7.2 | 77 | 3.5 | 35 | 96 | 6.9 | 10.2 | | | | |
| 31 | 8.0 | 10.1 | | | | | 97 | 6.9 | 10.2 | | | | |
| 32 | 8.0 | 10.1 | | | | | 98 | 6.9 | 10.2 | | | | |
| 33 | 8.0 | 10.1 | | | | | 99 | 6.9 | 10.2 | | | | |
| 34 | 8.0 | 10.1 | | | | | 100 | - | - | 7.2 | 95 | 8.6 | 44 |
| 35 | 8.0 | 10.1 | 7.2 | 79 | 2.2 | - | 110 | - | 10.3 | 7.2 | 95 | 9.2 | - |
| 36 | 8.0 | 10.1 | | | | | 120 | - | 10.3 | 7.2 | 97 | 9.6 | 47 |
| 37 | 7.9 | 10.1 | | | | | 130 | - | 10.3 | 7.2 | 100 | 14.0 | 47 |
| 38 | 7.9 | 10.1 | | | | | 135 | - | - | Bottom | | | |
| 39 | 7.8 | 10.1 | | | | | | | | | | | |
| 40 | 7.8 | 10.1 | 7.2 | 79 | 4.1 | 35 | | | | | | | |
| 41 | 7.8 | 10.1 | | | | | | | | | | | |
| 42 | 7.8 | 10.1 | | | | | | | | | | | |
| 43 | 7.8 | 10.1 | | | | | | | | | | | |
| 44 | 7.8 | 10.1 | | | | | | | | | | | |
| 45 | 7.8 | 10.1 | 7.2 | 82 | 3.9 | - | | | | | | | |
| 46 | 7.8 | 10.1 | | | | | | | | | | | |
| 47 | 7.8 | 10.1 | | | | | | | | | | | |
| 48 | 7.8 | 10.1 | | | | | | | | | | | |
| 49 | 7.7 | 10.1 | | | | | | | | | | | |
| 50 | 7.7 | 10.1 | 7.2 | 81 | 4.3 | 38 | | | | | | | |
| 51 | 7.7 | 10.1 | | | | | | | | | | | |
| 52 | 7.7 | 10.1 | | | | | | | | | | | |
| 53 | 7.7 | 10.1 | | | | | | | | | | | |
| 54 | 7.7 | 10.1 | | | | | | | | | | | |
| 55 | 7.7 | 10.1 | 7.2 | 82 | 3.4 | - | | | | | | | |
| 56 | 7.6 | 10.1 | | | | | | | | | | | |
| 57 | 7.5 | 10.2 | | | | | | | | | | | |
| 58 | 7.5 | 10.2 | | | | | | | | | | | |
| 59 | 7.5 | 10.2 | | | | | | | | | | | |
| 60 | 7.5 | 10.2 | 7.2 | 81 | 5.2 | 40 | | | | | | | |
| 61 | 7.5 | 10.2 | | | | | | | | | | | |
| 62 | 7.5 | 10.2 | | | | | | | | | | | |
| 63 | 7.3 | 10.2 | | | | | | | | | | | |
| 64 | 7.2 | 10.2 | | | | | | | | | | | |
| 65 | 7.2 | 10.2 | 7.2 | 84 | 4.2 | - | | | | | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 043 2 225.0 @ Dam August 26, 1983 @ 0800 Hrs. Secchi 5.0m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| Surf. | 23.3 | 8.0 | 7.8 | 93 | 0.8 | 41 | 66 | 9.9 | 8.8 | | | | |
| 1 | 23.3 | 8.0 | | | | | 67 | 9.8 | 8.8 | | | | |
| 2 | 23.3 | 8.0 | | | | | 68 | 9.5 | 8.8 | | | | |
| 3 | 23.3 | 8.0 | 7.8 | 95 | 0.9 | - | 69 | 9.5 | 8.8 | | | | |
| 4 | 23.3 | 8.0 | | | | | 70 | 9.4 | 8.8 | 7.2 | 93 | 2.4 | 40 |
| 5 | 23.3 | 8.0 | | | | | 71 | 9.3 | 8.8 | | | | |
| 6 | 23.3 | 8.0 | 7.8 | 95 | 0.8 | 40 | 72 | 9.2 | 8.8 | | | | |
| 7 | 23.3 | 8.0 | | | | | 73 | 9.2 | 8.8 | | | | |
| 8 | 23.3 | 8.0 | | | | | 74 | 9.1 | 8.8 | | | | |
| 9 | 23.3 | 7.9 | 7.8 | 95 | 0.7 | - | 75 | 9.0 | 8.7 | 7.2 | 93 | 2.5 | - |
| 10 | 23.3 | 7.9 | | | | | 76 | 9.0 | 8.7 | | | | |
| 11 | 20.2 | 6.6 | | | | | 77 | 8.9 | 8.7 | | | | |
| 12 | 18.8 | 6.3 | 7.2 | 112 | 0.9 | 48 | 78 | 8.9 | 8.7 | | | | |
| 13 | 17.8 | 6.4 | | | | | 79 | 8.8 | 8.7 | | | | |
| 14 | 17.5 | 6.4 | | | | | 80 | 8.8 | 8.7 | 7.2 | 94 | 2.8 | 39 |
| 15 | 17.2 | 6.3 | 7.3 | 116 | 1.0 | - | 81 | 8.8 | 8.7 | | | | |
| 16 | 17.0 | 6.4 | | | | | 82 | 8.7 | 8.7 | | | | |
| 17 | 16.8 | 6.5 | | | | | 83 | 8.7 | 8.7 | | | | |
| 18 | 16.5 | 6.6 | 7.2 | 117 | 1.4 | 53 | 84 | 8.7 | 8.7 | | | | |
| 19 | 16.3 | 6.7 | | | | | 85 | 8.6 | 8.6 | 7.2 | 94 | 3.4 | - |
| 20 | 16.2 | 6.7 | | | | | 86 | 8.5 | 8.6 | | | | |
| 21 | 16.0 | 6.7 | 7.2 | 115 | 1.5 | - | 87 | 8.5 | 8.6 | | | | |
| 22 | 15.8 | 6.8 | | | | | 88 | 8.3 | 8.5 | | | | |
| 23 | 15.8 | 6.9 | | | | | 89 | 8.2 | 8.5 | | | | |
| 24 | 15.5 | 7.0 | 7.3 | 110 | 1.7 | 50 | 90 | 8.1 | 8.5 | 7.1 | 96 | 4.5 | 41 |
| 25 | 15.5 | 7.0 | | | | | 91 | 8.1 | 8.4 | | | | |
| 26 | 15.2 | 7.2 | | | | | 92 | 8.1 | 8.4 | | | | |
| 27 | 15.0 | 7.3 | 7.3 | 106 | 1.5 | - | 93 | 8.1 | 8.4 | | | | |
| 28 | 14.8 | 7.5 | | | | | 94 | 8.1 | 8.4 | | | | |
| 29 | 14.6 | 7.6 | | | | | 95 | 8.1 | 8.4 | 7.0 | 97 | 5.4 | - |
| 30 | 14.4 | 7.7 | 7.3 | 101 | 1.6 | 43 | 96 | 8.1 | 8.4 | | | | |
| 31 | 14.1 | 7.9 | | | | | 97 | 8.1 | 8.4 | | | | |
| 32 | 13.9 | 8.0 | | | | | 98 | 8.1 | 8.4 | | | | |
| 33 | 13.7 | 8.1 | | | | | 99 | 8.1 | 8.4 | | | | |
| 34 | 13.2 | 8.2 | | | | | 100 | 11.1 | 9.3 | 7.0 | 100 | 6.0 | 43 |
| 35 | 13.0 | 8.3 | 7.3 | 92 | 1.9 | - | 105 | 10.6 | - | 7.0 | 101 | 6.8 | - |
| 36 | 12.8 | 8.4 | | | | | 110 | 9.7 | 9.2 | 7.1 | 102 | 6.7 | 44 |
| 37 | 12.7 | 8.4 | | | | | 115 | 9.4 | 9.2 | 7.1 | 102 | 7.1 | - |
| 38 | 12.5 | 8.5 | | | | | 120 | 9.4 | 9.2 | 7.1 | 103 | 7.2 | 45 |
| 39 | 12.2 | 8.6 | | | | | 125 | 9.4 | 9.0 | 7.1 | 104 | 10.0 | - |
| 40 | 12.1 | 8.6 | 7.2 | 86 | 2.0 | 36 | 130 | 9.2 | 8.6 | 7.1 | 105 | 11.0 | 45 |
| 41 | 12.0 | 8.7 | | | | | 135 | 9.2 | 8.5 | 7.1 | 106 | 11.0 | - |
| 42 | 11.8 | 8.8 | | | | | 140 | 9.2 | 8.5 | 7.1 | 106 | 11.0 | 45 |
| 43 | 11.6 | 8.8 | | | | | 144 | 9.2 | 8.2 | 7.1 | 106 | 11.0 | 45 |
| 44 | 11.6 | 8.8 | | | | | 145.7 | - | - | Bottom | | | |
| 45 | 11.5 | 8.9 | 7.2 | 85 | 2.0 | - | | | | | | | |
| 46 | 11.3 | 8.9 | | | | | | | | | | | |
| 47 | 11.1 | 8.9 | | | | | | | | | | | |
| 48 | 11.1 | 8.9 | | | | | | | | | | | |
| 49 | 11.0 | 8.9 | | | | | | | | | | | |
| 50 | 11.0 | 8.9 | 7.3 | 85 | 2.0 | 36 | | | | | | | |
| 51 | 11.0 | 8.9 | | | | | | | | | | | |
| 52 | 10.8 | 9.0 | | | | | | | | | | | |
| 53 | 10.8 | 9.0 | | | | | | | | | | | |
| 54 | 10.7 | 8.9 | | | | | | | | | | | |
| 55 | 10.6 | 8.9 | 7.3 | 89 | 2.4 | - | | | | | | | |
| 56 | 10.6 | 8.9 | | | | | | | | | | | |
| 57 | 10.6 | 8.9 | | | | | | | | | | | |
| 58 | 10.4 | 8.9 | | | | | | | | | | | |
| 59 | 10.3 | 8.9 | | | | | | | | | | | |
| 60 | 10.2 | 8.9 | 7.3 | 91 | 2.0 | 39 | | | | | | | |
| 61 | 10.2 | 8.9 | | | | | | | | | | | |
| 62 | 10.1 | 8.9 | | | | | | | | | | | |
| 63 | 10.1 | 8.8 | | | | | | | | | | | |
| 64 | 10.1 | 8.8 | | | | | | | | | | | |
| 65 | 10.0 | 8.8 | 7.3 | 93 | 2.4 | - | | | | | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 043.2 225.0 @ Dam September 27, 1983 @ 0900 Hrs. Secchi 6.5m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| Surf. | 20.5 | 8.2 | 7.6 | 100 | 0.2 | 46 | 66 | 10.4 | 8.3 | | | | |
| 1 | 20.5 | 8.2 | | | | | 67 | 10.3 | 8.3 | | | | |
| 2 | 20.5 | 8.2 | | | | | 68 | 10.2 | 8.3 | | | | |
| 3 | 20.5 | 8.2 | 7.6 | 102 | 0.6 | - | 69 | 10.2 | 8.3 | | | | |
| 4 | 20.5 | 8.2 | | | | | 70 | 10.1 | 8.3 | 7.2 | 95 | 1.5 | 39 |
| 5 | 20.5 | 8.2 | | | | | 71 | 10.0 | 8.3 | | | | |
| 6 | 20.5 | 8.2 | 7.6 | 102 | 0.8 | - | 72 | 9.8 | 8.3 | | | | |
| 7 | 20.5 | 8.1 | | | | | 73 | 9.8 | 8.3 | | | | |
| 8 | 20.5 | 8.1 | | | | | 74 | 9.7 | 8.3 | | | | |
| 9 | 20.5 | 8.1 | 7.6 | 102 | 0.6 | 44 | 75 | 9.6 | 8.3 | 7.2 | 97 | 1.5 | - |
| 10 | 20.5 | 8.1 | | | | | 76 | 9.5 | 8.3 | | | | |
| 11 | 20.3 | 8.0 | | | | | 77 | 9.4 | 8.3 | | | | |
| 12 | 19.5 | 6.8 | 7.4 | 105 | 0.5 | - | 78 | 9.2 | 8.3 | | | | |
| 13 | 18.2 | 5.9 | | | | | 79 | 9.1 | 8.3 | | | | |
| 14 | 17.5 | 5.8 | | | | | 80 | 9.0 | 8.2 | 7.1 | 97 | 1.9 | - |
| 15 | 17.1 | 5.8 | 7.2 | 121 | 0.6 | - | 81 | 9.0 | 8.2 | | | | |
| 16 | 17.0 | 5.9 | | | | | 82 | 8.9 | 8.2 | | | | |
| 17 | 17.0 | 5.9 | | | | | 83 | 8.8 | 8.2 | | | | |
| 18 | 16.8 | 5.9 | 7.2 | 120 | 0.6 | 55 | 84 | 8.7 | 8.2 | | | | |
| 19 | 16.6 | 5.9 | | | | | 85 | 8.6 | 8.1 | 7.1 | 97 | 2.4 | 43 |
| 20 | 16.5 | 5.9 | | | | | 86 | 8.6 | 8.1 | | | | |
| 21 | 16.3 | 5.9 | 7.2 | 118 | 0.6 | - | 87 | 8.6 | 8.1 | | | | |
| 22 | 16.2 | 6.0 | | | | | 88 | 8.5 | 8.1 | | | | |
| 23 | 16.2 | 6.0 | | | | | 89 | 8.5 | 8.1 | | | | |
| 24 | 16.0 | 6.1 | 7.2 | 118 | 0.8 | - | 90 | 8.4 | 8.1 | 7.1 | 98 | 3.3 | - |
| 25 | 16.0 | 6.2 | | | | | 91 | 8.2 | 8.1 | | | | |
| 26 | 15.8 | 6.3 | | | | | 92 | 8.2 | 8.1 | | | | |
| 27 | 15.8 | 6.2 | 7.2 | 116 | 0.8 | 54 | 93 | 8.2 | 8.1 | | | | |
| 28 | 15.6 | 6.4 | | | | | 94 | 8.1 | 8.1 | | | | |
| 29 | 15.4 | 6.5 | | | | | 95 | 8.1 | 8.1 | 7.1 | 98 | 3.8 | - |
| 30 | 15.3 | 6.6 | 7.2 | 113 | 1.1 | - | 96 | 8.0 | 8.1 | | | | |
| 31 | 15.2 | 6.7 | | | | | 97 | 8.0 | 8.1 | | | | |
| 32 | 15.0 | 6.8 | | | | | 98 | 8.0 | 8.1 | | | | |
| 33 | 15.0 | 6.9 | | | | | 99 | 8.0 | 8.1 | | | | |
| 34 | 14.8 | 7.0 | | | | | 100 | 8.0 | 8.1 | 7.1 | 100 | 4.6 | 43 |
| 35 | 14.5 | 7.2 | 7.2 | 100 | 1.3 | - | 105 | 10.6 | 9.0 | 7.1 | 101 | 5.0 | - |
| 36 | 14.5 | 7.3 | | | | | 110 | 10.0 | 8.7 | 7.1 | 102 | 5.4 | - |
| 37 | 14.2 | 7.4 | | | | | 115 | 10.0 | 8.7 | 7.1 | 103 | 5.9 | 42 |
| 38 | 14.2 | 7.4 | | | | | 120 | 10.0 | 8.7 | 7.1 | 103 | 6.0 | - |
| 39 | 14.0 | 7.5 | | | | | 125 | 10.0 | 8.7 | 7.0 | 104 | 6.5 | - |
| 40 | 13.8 | 7.6 | 7.2 | 93 | 1.1 | 43 | 130 | 10.0 | 8.4 | 7.0 | 105 | 7.8 | 47 |
| 41 | 13.7 | 7.7 | | | | | 135 | 10.0 | 8.1 | 7.0 | 105 | 8.8 | - |
| 42 | 13.5 | 7.8 | | | | | 140 | 10.0 | 8.0 | 7.0 | 104 | 8.4 | 46 |
| 43 | 13.2 | 7.9 | | | | | 142.9 | - | - | Bottom | | | |
| 44 | 13.1 | 7.9 | | | | | | | | | | | |
| 45 | 13.0 | 8.1 | 7.2 | 89 | 1.2 | - | | | | | | | |
| 46 | 12.9 | 8.1 | | | | | | | | | | | |
| 47 | 12.7 | 8.2 | | | | | | | | | | | |
| 48 | 12.5 | 8.3 | | | | | | | | | | | |
| 49 | 12.3 | 8.4 | | | | | | | | | | | |
| 50 | 12.2 | 8.4 | 7.2 | 87 | 1.5 | - | | | | | | | |
| 51 | 12.0 | 8.4 | | | | | | | | | | | |
| 52 | 11.9 | 8.5 | | | | | | | | | | | |
| 53 | 11.6 | 8.5 | | | | | | | | | | | |
| 54 | 11.6 | 8.5 | | | | | | | | | | | |
| 55 | 11.5 | 8.5 | 7.2 | 85 | 1.5 | 39 | | | | | | | |
| 56 | 11.3 | 8.4 | | | | | | | | | | | |
| 57 | 11.1 | 8.4 | | | | | | | | | | | |
| 58 | 11.1 | 8.4 | | | | | | | | | | | |
| 59 | 11.1 | 8.4 | | | | | | | | | | | |
| 60 | 11.1 | 8.4 | 7.2 | 89 | 1.2 | - | | | | | | | |
| 61 | 11.0 | 8.4 | | | | | | | | | | | |
| 62 | 10.9 | 8.4 | | | | | | | | | | | |
| 63 | 10.8 | 8.3 | | | | | | | | | | | |
| 64 | 10.8 | 8.3 | | | | | | | | | | | |
| 65 | 10.7 | 8.3 | 7.2 | 93 | 1.5 | - | | | | | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 043.2 225.0 @ Dam December 21, 1983 @ 0945 Hrs. Secchi 3.4m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| Surf. | 11.9 | 9.7 | 7.3 | 106 | 1.1 | 45 | 66 | 9.4 | - | | | | |
| 1 | 11.9 | 9.7 | | | | | 67 | 9.4 | - | | | | |
| 2 | 11.9 | 9.7 | | | | | 68 | 9.3 | - | | | | |
| 3 | 11.9 | 9.7 | 7.4 | 106 | 1.4 | - | 69 | 9.3 | - | | | | |
| 4 | 11.9 | 9.7 | | | | | 70 | 9.3 | 10.1 | 7.2 | 114 | 4.6 | 51 |
| 5 | 11.9 | 9.7 | | | | | 71 | 9.3 | - | | | | |
| 6 | 11.9 | 9.7 | 7.3 | 106 | 1.8 | - | 72 | 9.2 | - | | | | |
| 7 | 11.9 | 9.7 | | | | | 73 | 9.2 | - | | | | |
| 8 | 11.9 | 9.7 | | | | | 74 | 9.1 | - | | | | |
| 9 | 11.9 | 9.7 | 7.4 | 106 | 1.6 | 46 | 75 | 9.1 | 10.3 | 7.2 | 114 | 5.7 | - |
| 10 | 11.9 | 9.7 | | | | | 76 | 9.1 | - | | | | |
| 11 | 11.9 | 9.7 | | | | | 77 | 9.1 | - | | | | |
| 12 | 11.9 | 9.7 | 7.4 | 107 | 1.9 | - | 78 | 9.1 | - | | | | |
| 13 | 11.9 | 9.7 | | | | | 79 | 9.1 | - | | | | |
| 14 | 12.0 | 9.7 | | | | | 80 | 9.1 | 10.0 | 7.2 | 115 | 5.8 | - |
| 15 | 12.0 | 9.7 | 7.4 | 107 | 1.3 | - | 81 | 9.1 | - | | | | |
| 16 | 12.0 | 9.7 | | | | | 82 | 9.1 | - | | | | |
| 17 | 12.0 | 9.7 | | | | | 83 | 9.1 | - | | | | |
| 18 | 12.0 | 9.7 | 7.4 | 107 | 1.4 | 47 | 84 | 9.0 | - | | | | |
| 19 | 12.0 | 9.7 | | | | | 85 | 9.0 | 9.9 | 7.2 | 115 | 6.2 | 52 |
| 20 | 12.0 | 9.7 | | | | | 86 | 9.0 | - | | | | |
| 21 | 12.0 | 9.7 | 7.4 | 107 | 1.5 | - | 87 | 9.0 | - | | | | |
| 22 | 12.0 | 9.7 | | | | | 88 | 9.0 | - | | | | |
| 23 | 12.0 | 9.7 | | | | | 89 | 9.0 | - | | | | |
| 24 | 12.0 | 9.7 | 7.3 | 106 | 1.5 | - | 90 | 8.9 | 9.9 | 7.1 | 114 | 6.1 | - |
| 25 | 12.0 | 9.7 | | | | | 91 | 8.9 | - | | | | |
| 26 | 12.0 | 9.7 | | | | | 92 | 8.9 | - | | | | |
| 27 | 12.0 | 9.7 | 7.3 | 107 | 1.5 | 46 | 93 | 8.9 | - | | | | |
| 28 | 12.0 | 9.7 | | | | | 94 | 8.9 | - | | | | |
| 29 | 12.0 | 9.7 | | | | | 95 | 8.9 | 9.6 | 7.1 | 114 | 6.8 | - |
| 30 | 12.0 | 9.7 | 7.3 | 106 | 1.5 | - | 96 | 8.9 | - | | | | |
| 31 | 12.0 | 9.7 | | | | | 97 | 8.8 | - | | | | |
| 32 | 12.0 | 9.7 | | | | | 98 | 8.8 | - | | | | |
| 33 | 12.0 | 9.7 | | | | | 99 | 8.8 | - | | | | |
| 34 | 12.0 | 9.7 | | | | | 100 | 8.8 | 9.5 | 7.1 | 112 | 6.3 | 52 |
| 35 | 11.9 | 9.7 | 7.3 | 106 | 1.6 | - | 105 | - | - | - | 108 | 6.5 | - |
| 36 | 11.8 | 9.7 | | | | | 110 | 9.2 | 9.2 | 7.0 | 105 | 6.8 | - |
| 37 | 11.5 | 9.6 | | | | | 115 | - | - | - | | | |
| 38 | 11.4 | 9.6 | | | | | 120 | 8.9 | 8.3 | 7.0 | 105 | 6.9 | 47 |
| 39 | 11.3 | 9.5 | | | | | 125 | 8.9 | 7.6 | 6.9 | 105 | 7.2 | - |
| 40 | 11.3 | 9.6 | 7.3 | 99 | 2.0 | 42 | 130 | 8.6 | 7.3 | 6.9 | 107 | 13.0 | - |
| 41 | 11.2 | 9.6 | | | | | 135 | - | - | - | | | |
| 42 | 11.1 | 9.6 | | | | | 138 | 8.6 | - | 6.9 | 107 | 8.5 | 48 |
| 43 | 11.0 | 9.6 | | | | | 140.3 | - | - | Bottom | | | |
| 44 | 10.9 | 9.7 | | | | | | | | | | | |
| 45 | 10.7 | 9.8 | 7.2 | 104 | 2.7 | - | | | | | | | |
| 46 | 10.7 | 9.9 | | | | | | | | | | | |
| 47 | 10.5 | 9.9 | | | | | | | | | | | |
| 48 | 10.5 | 10.0 | | | | | | | | | | | |
| 49 | 10.4 | 10.1 | | | | | | | | | | | |
| 50 | 10.3 | 10.1 | 7.2 | 103 | 3.2 | - | | | | | | | |
| 51 | 10.4 | - | | | | | | | | | | | |
| 52 | 10.3 | - | | | | | | | | | | | |
| 53 | 10.2 | - | | | | | | | | | | | |
| 54 | 10.1 | - | | | | | | | | | | | |
| 55 | 10.0 | 10.1 | 7.2 | 97 | 4.1 | 42 | | | | | | | |
| 56 | 9.9 | - | | | | | | | | | | | |
| 57 | 9.8 | - | | | | | | | | | | | |
| 58 | 9.7 | - | | | | | | | | | | | |
| 59 | 9.7 | - | | | | | | | | | | | |
| 60 | 9.6 | 10.3 | 7.2 | 98 | 4.9 | - | | | | | | | |
| 61 | 9.6 | - | | | | | | | | | | | |
| 62 | 9.5 | - | | | | | | | | | | | |
| 63 | 9.5 | - | | | | | | | | | | | |
| 64 | 9.5 | - | | | | | | | | | | | |
| 65 | 9.5 | 10.3 | 7.2 | 107 | 4.8 | - | | | | | | | |

Sta. A2L 043.2 225.0 @ Dam January 26, 1984 @ 0915 Hrs. Secchi 3.7m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| Surf. | 9.5 | 10.6 | 7.2 | 96 | 1.1 | 42 | 66 | 7.4 | - | | | | |
| 1 | 9.5 | 10.6 | | | | | 67 | 7.4 | - | | | | |
| 2 | 9.3 | 10.6 | | | | | 68 | 7.4 | - | | | | |
| 3 | 9.3 | 10.5 | 7.3 | 97 | 1.1 | - | 69 | 7.4 | - | | | | |
| 4 | 9.3 | 10.5 | | | | | 70 | 7.3 | 11.6 | 7.2 | 114 | 6.9 | - |
| 5 | 9.3 | 10.5 | | | | | 71 | 7.3 | - | | | | |
| 6 | 9.3 | 10.5 | 7.2 | 98 | 1.1 | - | 72 | 7.3 | - | | | | |
| 7 | 9.3 | 10.5 | | | | | 73 | 7.3 | - | | | | |
| 8 | 9.3 | 10.5 | | | | | 74 | 7.3 | - | | | | |
| 9 | 9.3 | 10.5 | 7.2 | 98 | 1.1 | 43 | 75 | 7.3 | - | | | | |
| 10 | 9.3 | 10.5 | | | | | 76 | 7.3 | - | | | | |
| 11 | 9.3 | 10.5 | | | | | 77 | 7.3 | - | | | | |
| 12 | 9.3 | 10.5 | 7.2 | 98 | 1.0 | - | 78 | 7.3 | - | | | | |
| 13 | 9.3 | 10.5 | | | | | 79 | 7.3 | - | | | | |
| 14 | 9.3 | 10.5 | | | | | 80 | 7.3 | 11.6 | 7.2 | 114 | 8.3 | 52 |
| 15 | 9.3 | 10.5 | 7.2 | 98 | 1.1 | - | 81 | 7.3 | - | | | | |
| 16 | 9.3 | 10.5 | | | | | 82 | 7.3 | - | | | | |
| 17 | 9.3 | 10.5 | | | | | 83 | 7.3 | - | | | | |
| 18 | 9.3 | 10.5 | 7.2 | 98 | 1.1 | 44 | 84 | 7.3 | - | | | | |
| 19 | 9.3 | 10.5 | | | | | 85 | 7.3 | - | | | | |
| 20 | 9.3 | 10.5 | | | | | 86 | 7.3 | - | | | | |
| 21 | 9.3 | 10.5 | 7.2 | 98 | 1.0 | - | 87 | 7.3 | - | | | | |
| 22 | 9.3 | 10.5 | | | | | 88 | 7.3 | - | | | | |
| 23 | 9.3 | 10.5 | | | | | 89 | 7.3 | - | | | | |
| 24 | 9.3 | 10.5 | 7.2 | 98 | 1.1 | - | 90 | 7.3 | 11.6 | 7.2 | 114 | 8.6 | - |
| 25 | 9.3 | 10.5 | | | | | 91 | 7.3 | - | | | | |
| 26 | 9.3 | 10.5 | | | | | 92 | 7.3 | - | | | | |
| 27 | 9.3 | 10.5 | 7.2 | 98 | 1.0 | - | 93 | 7.3 | - | | | | |
| 28 | 9.3 | 10.5 | | | | | 94 | 7.3 | - | | | | |
| 29 | 9.3 | 10.5 | | | | | 95 | 7.3 | - | | | | |
| 30 | 9.3 | 10.5 | 7.2 | 99 | 1.0 | - | 96 | 7.3 | - | | | | |
| 31 | 9.3 | 10.5 | | | | | 97 | 7.3 | - | | | | |
| 32 | 9.3 | 10.5 | | | | | 98 | 7.3 | - | | | | |
| 33 | 9.3 | 10.5 | | | | | 99 | 7.3 | - | | | | |
| 34 | 9.3 | 10.5 | | | | | 100 | 7.3 | 11.6 | 7.2 | 114 | 8.7 | - |
| 35 | 9.2 | 10.4 | 7.2 | 97 | 1.1 | - | 105 | - | - | | | | |
| 36 | 9.0 | 10.4 | | | | | 110 | 7.5 | 11.6 | 7.2 | 114 | 8.8 | 51 |
| 37 | 9.0 | 10.4 | | | | | 115 | - | - | | | | |
| 38 | 9.0 | 10.4 | | | | | 120 | 7.5 | 11.5 | 7.2 | 115 | 8.8 | - |
| 39 | 9.0 | 10.4 | | | | | 125 | - | - | | | | |
| 40 | 9.0 | 10.4 | 7.2 | 96 | 1.5 | 44 | 130 | 7.5 | 11.5 | 7.2 | 114 | 8.9 | - |
| 41 | 8.9 | 10.3 | | | | | 132 | - | - | Bottom | | | |
| 42 | 8.8 | 10.3 | | | | | | | | | | | |
| 43 | 8.5 | 10.3 | | | | | | | | | | | |
| 44 | 8.3 | 10.3 | | | | | | | | | | | |
| 45 | 8.3 | 10.3 | 7.2 | 94 | 2.5 | - | | | | | | | |
| 46 | 8.3 | 10.3 | | | | | | | | | | | |
| 47 | 8.2 | 10.3 | | | | | | | | | | | |
| 48 | 8.2 | 10.3 | | | | | | | | | | | |
| 49 | 8.2 | 10.3 | | | | | | | | | | | |
| 50 | 8.2 | 10.3 | 7.2 | 94 | 3.1 | - | | | | | | | |
| 51 | 8.5 | - | | | | | | | | | | | |
| 52 | 8.5 | - | | | | | | | | | | | |
| 53 | 8.4 | - | | | | | | | | | | | |
| 54 | 8.2 | - | | | | | | | | | | | |
| 55 | 8.0 | 11.1 | 7.2 | 108 | 5.9 | 50 | | | | | | | |
| 56 | 8.0 | - | | | | | | | | | | | |
| 57 | 7.9 | - | | | | | | | | | | | |
| 58 | 7.9 | - | | | | | | | | | | | |
| 59 | 7.8 | - | | | | | | | | | | | |
| 60 | 7.8 | 11.1 | 7.2 | 109 | 6.3 | - | | | | | | | |
| 61 | 7.7 | - | | | | | | | | | | | |
| 62 | 7.6 | - | | | | | | | | | | | |
| 63 | 7.5 | - | | | | | | | | | | | |
| 64 | 7.5 | - | | | | | | | | | | | |
| 65 | 7.4 | - | | | | | | | | | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

| Sta. A2L 043.2 225.0 @ Dam March 1, 1984 @ 0930 Hrs. Secchi 3.2m | | | | | | | | | | | | | |
|--|-----------|------|-----|------|-------|------|----------|-----------|------|-----|--------|-------|------|
| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | ph | E.C. | Turb. | Alk. |
| Surf. | 9.2 | 11.3 | 7.4 | 96 | 1.6 | 43 | 66 | 6.9 | 11.1 | | | | |
| 1 | 9.2 | 11.3 | | | | | 67 | 6.9 | 11.1 | | | | |
| 2 | 9.2 | 11.3 | | | | | 68 | 6.8 | 11.1 | | | | |
| 3 | 9.1 | 11.3 | 7.4 | 95 | 1.5 | - | 69 | 6.8 | 11.1 | | | | |
| 4 | 9.0 | 11.2 | | | | | 70 | 6.8 | 11.1 | 7.2 | 113 | 6.0 | 53 |
| 5 | 9.0 | 11.2 | | | | | 71 | 6.8 | 11.1 | | | | |
| 6 | 9.0 | 11.1 | 7.4 | 95 | 1.5 | - | 72 | 6.8 | 11.1 | | | | |
| 7 | 9.0 | 11.1 | | | | | 73 | 6.8 | 11.0 | | | | |
| 8 | 9.0 | 11.1 | | | | | 74 | 6.8 | 11.0 | | | | |
| 9 | 9.0 | 11.1 | 7.4 | 95 | 1.5 | 43 | 75 | 6.8 | 11.0 | 7.2 | 114 | 6.2 | 53 |
| 10 | 9.0 | 11.1 | | | | | 76 | 6.5 | 11.2 | | | | |
| 11 | 9.0 | 11.0 | | | | | 77 | 6.5 | 11.1 | | | | |
| 12 | 8.9 | 11.0 | 7.4 | 95 | 1.4 | - | 78 | 6.5 | 11.2 | | | | |
| 13 | 8.9 | 10.9 | | | | | 79 | 6.7 | 11.2 | | | | |
| 14 | 8.9 | 10.9 | | | | | 80 | 6.6 | 11.2 | 7.2 | 114 | 6.0 | 54 |
| 15 | 8.9 | 10.9 | 7.4 | 96 | 1.4 | - | 81 | 6.5 | 11.2 | | | | |
| 16 | 8.9 | 10.9 | | | | | 82 | 6.4 | 11.2 | | | | |
| 17 | 8.9 | 10.9 | | | | | 83 | 6.4 | 11.2 | | | | |
| 18 | 8.8 | 10.9 | 7.4 | 95 | 1.4 | 43 | 84 | 6.4 | 11.2 | | | | |
| 19 | 8.8 | 10.9 | | | | | 85 | 6.4 | 11.2 | 7.2 | 100 | 2.4 | 44 |
| 20 | 8.8 | 10.9 | | | | | 86 | 6.5 | 11.2 | | | | |
| 21 | 8.8 | 10.9 | 7.4 | 96 | 1.5 | - | 87 | 6.5 | 11.2 | | | | |
| 22 | 8.8 | 10.8 | | | | | 88 | 6.5 | 11.2 | | | | |
| 23 | 8.8 | 10.8 | | | | | 89 | 6.5 | 11.2 | | | | |
| 24 | 8.8 | 10.8 | 7.3 | 96 | 1.5 | - | 90 | 6.5 | 11.3 | 7.2 | 116 | 6.0 | 55 |
| 25 | 8.7 | 10.7 | | | | | 91 | 6.5 | 11.3 | | | | |
| 26 | 8.7 | 10.7 | | | | | 92 | 6.5 | 11.3 | | | | |
| 27 | 8.7 | 10.7 | 7.4 | 96 | 1.3 | 42 | 93 | 6.5 | 11.2 | | | | |
| 28 | 8.7 | 10.7 | | | | | 94 | 6.5 | 11.2 | | | | |
| 29 | 8.7 | 10.7 | | | | | 95 | 6.5 | 11.2 | 7.2 | 116 | 5.8 | - |
| 30 | 8.7 | 10.7 | 7.4 | 95 | 1.5 | - | 96 | 6.5 | 11.2 | | | | |
| 31 | 8.6 | 10.6 | | | | | 97 | 6.5 | 11.2 | | | | |
| 32 | 8.5 | 10.6 | | | | | 98 | 6.5 | 11.2 | | | | |
| 33 | 8.4 | 10.6 | | | | | 99 | 6.5 | 11.2 | | | | |
| 34 | 8.3 | 10.6 | | | | | 100 | 6.5 | 11.2 | 7.2 | 116 | 5.6 | - |
| 35 | 8.2 | 10.5 | 7.3 | 94 | 2.1 | - | 105 | 6.3 | 11.2 | 7.2 | 118 | 5.3 | 55 |
| 36 | 8.0 | 10.5 | | | | | 110 | 7.5 | 11.6 | 7.2 | 118 | 5.9 | - |
| 37 | 7.9 | 10.4 | | | | | 115 | 8.0 | 11.2 | 7.2 | 118 | 5.7 | - |
| 38 | 7.8 | 10.5 | | | | | 120 | 8.0 | 11.1 | 7.4 | 118 | 5.7 | 55 |
| 39 | 7.7 | 10.5 | | | | | 125 | - | - | - | - | - | - |
| 40 | 7.6 | 10.6 | 7.2 | 96 | 2.9 | 44 | 130 | 8.0 | 11.5 | 7.2 | 119 | 5.4 | - |
| 41 | 7.5 | 10.6 | | | | | 135 | 7.5 | 11.2 | 7.2 | 120 | 5.3 | 56 |
| 42 | 7.5 | 10.6 | | | | | 140 | 7.5 | 11.2 | 7.2 | 118 | 5.3 | - |
| 43 | 7.4 | 10.6 | | | | | 142 | 8.0 | 11.1 | 7.2 | 118 | 6.7 | 56 |
| 44 | 7.4 | 10.7 | | | | | 144.5 | - | - | - | Bottom | - | - |
| 45 | 7.4 | 10.7 | 7.2 | 100 | 3.2 | - | | | | | | | |
| 46 | 7.4 | 10.7 | | | | | | | | | | | |
| 47 | 7.4 | 10.7 | | | | | | | | | | | |
| 48 | 7.4 | 10.7 | | | | | | | | | | | |
| 49 | 7.3 | 10.7 | | | | | | | | | | | |
| 50 | 7.3 | 10.7 | 7.2 | 101 | 3.5 | - | | | | | | | |
| 51 | 7.3 | 10.8 | | | | | | | | | | | |
| 52 | 7.3 | 10.8 | | | | | | | | | | | |
| 53 | 7.3 | 10.9 | | | | | | | | | | | |
| 54 | 7.2 | 10.9 | | | | | | | | | | | |
| 55 | 7.1 | 10.9 | 7.2 | 106 | 3.7 | 48 | | | | | | | |
| 56 | 7.1 | 10.9 | | | | | | | | | | | |
| 57 | 7.1 | 10.9 | | | | | | | | | | | |
| 58 | 7.1 | 11.0 | | | | | | | | | | | |
| 59 | 7.0 | 11.0 | | | | | | | | | | | |
| 60 | 7.0 | 11.0 | 7.2 | 109 | 4.5 | 53 | | | | | | | |
| 61 | 7.0 | 11.0 | | | | | | | | | | | |
| 62 | 7.0 | 11.0 | | | | | | | | | | | |
| 63 | 6.9 | 11.0 | | | | | | | | | | | |
| 64 | 6.9 | 11.0 | | | | | | | | | | | |
| 65 | 6.9 | 11.1 | 7.2 | 113 | 5.9 | 60 | | | | | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 043.2 225.0 @ Dam April 5, 1984 @ 0900 Hrs. Secchi 3.5m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| Surf. | 11.7 | 10.7 | 7.7 | 99 | 1.5 | 41 | 66 | 7.0 | 10.8 | | | | |
| 1 | 11.7 | 10.7 | | | | | 67 | 7.0 | 10.9 | | | | |
| 2 | 11.7 | 10.7 | | | | | 68 | 7.0 | 10.9 | | | | |
| 3 | 11.7 | 10.7 | 7.7 | 99 | 1.6 | - | 69 | 7.0 | 10.9 | | | | |
| 4 | 11.7 | 10.7 | | | | | 70 | 7.0 | 10.9 | 7.3 | 123 | 3.6 | 55 |
| 5 | 11.6 | 10.7 | | | | | 71 | 7.0 | 10.9 | | | | |
| 6 | 11.6 | 10.7 | 7.7 | 99 | 1.9 | - | 72 | 7.0 | 11.0 | | | | |
| 7 | 11.6 | 10.7 | | | | | 73 | 7.0 | 11.0 | | | | |
| 8 | 11.5 | 10.7 | | | | | 74 | 6.9 | 11.0 | | | | |
| 9 | 11.5 | 10.7 | 7.6 | 100 | 1.8 | 42 | 75 | 6.9 | 11.0 | 7.3 | 126 | 4.0 | - |
| 10 | 11.3 | 10.7 | | | | | 76 | 6.9 | 11.0 | | | | |
| 11 | 11.0 | 10.8 | | | | | 77 | 6.9 | 11.0 | | | | |
| 12 | 10.9 | 10.8 | 7.6 | 99 | 1.5 | - | 78 | 6.8 | 11.0 | | | | |
| 13 | 10.8 | 10.8 | | | | | 79 | 6.8 | 11.0 | | | | |
| 14 | 10.6 | 10.8 | | | | | 80 | 6.8 | 11.0 | 7.3 | 128 | 5.0 | - |
| 15 | 10.3 | 10.8 | 7.5 | 99 | 1.5 | - | 81 | 6.8 | 11.0 | | | | |
| 16 | 10.0 | 10.8 | | | | | 82 | 6.8 | 11.0 | | | | |
| 17 | 9.8 | 10.8 | | | | | 83 | 6.7 | 11.0 | | | | |
| 18 | 9.3 | 10.8 | 7.4 | 99 | 1.1 | 42 | 84 | 6.7 | 11.0 | | | | |
| 19 | 9.2 | 10.7 | | | | | 85 | 6.7 | 11.0 | 7.3 | 129 | 4.7 | 57 |
| 20 | 9.0 | 10.7 | | | | | 86 | 6.7 | 11.0 | | | | |
| 21 | 9.0 | 10.7 | 7.4 | 100 | 0.9 | - | 87 | 6.7 | 11.0 | | | | |
| 22 | 9.0 | 10.7 | | | | | 88 | 6.7 | 11.0 | | | | |
| 23 | 8.9 | 10.7 | | | | | 89 | 6.7 | 11.0 | | | | |
| 24 | 8.9 | 10.7 | 7.3 | 100 | 1.0 | - | 90 | 6.7 | 11.0 | 7.3 | 129 | 5.4 | - |
| 25 | 8.8 | 10.7 | | | | | 91 | 6.7 | 11.0 | | | | |
| 26 | 8.8 | 10.7 | | | | | 92 | 6.6 | 10.9 | | | | |
| 27 | 8.8 | 10.7 | 7.3 | 100 | 1.0 | 43 | 93 | 6.6 | 10.9 | | | | |
| 28 | 8.8 | 10.7 | | | | | 94 | 6.6 | 10.9 | | | | |
| 29 | 8.7 | 10.6 | | | | | 95 | 6.5 | 11.0 | 7.3 | 129 | 4.9 | - |
| 30 | 8.6 | 10.6 | 7.3 | 102 | 1.3 | - | 96 | 6.5 | 11.0 | | | | |
| 31 | 8.5 | 10.6 | | | | | 97 | 6.5 | 11.0 | | | | |
| 32 | 8.4 | 10.6 | | | | | 98 | 6.5 | 11.0 | | | | |
| 33 | 8.4 | 10.6 | | | | | 99 | 6.5 | 11.0 | | | | |
| 34 | 8.4 | 10.6 | | | | | 100 | 6.5 | 10.9 | 7.3 | 129 | 5.2 | 57 |
| 35 | 8.3 | 10.6 | 7.3 | 103 | 1.2 | - | 105 | 8.0 | 10.9 | 7.3 | 130 | 4.5 | - |
| 36 | 8.3 | 10.6 | | | | | 110 | 8.5 | 10.9 | 7.3 | 129 | 5.1 | - |
| 37 | 8.3 | 10.6 | | | | | 115 | 8.0 | 10.9 | 7.3 | 128 | 4.4 | 57 |
| 38 | 8.3 | 10.6 | | | | | 120 | 8.0 | 10.8 | 7.3 | 104 | 1.3 | - |
| 39 | 8.3 | 10.6 | | | | | 125 | 8.0 | 10.8 | 7.3 | 128 | 4.4 | - |
| 40 | 8.2 | 10.6 | 7.3 | 103 | 1.3 | 44 | 130 | 8.0 | 10.8 | 7.3 | 128 | 4.5 | 57 |
| 41 | 8.2 | 10.6 | | | | | 135 | 9.0 | 10.9 | 7.3 | 102 | 1.0 | - |
| 42 | 8.2 | 10.6 | | | | | 140 | 8.0 | 10.9 | 7.3 | 127 | 4.6 | - |
| 43 | 8.2 | 10.6 | | | | | 146 | 9.0 | 10.9 | 7.3 | 128 | 5.3 | 56 |
| 44 | 8.2 | 10.6 | | | | | 148.4 | - | - | Bottom | | | |
| 45 | 8.2 | 10.6 | 7.3 | 103 | 1.4 | - | | | | | | | |
| 46 | 8.2 | 10.6 | | | | | | | | | | | |
| 47 | 8.1 | 10.6 | | | | | | | | | | | |
| 48 | 8.1 | 10.6 | | | | | | | | | | | |
| 49 | 8.0 | 10.6 | | | | | | | | | | | |
| 50 | 8.0 | 10.6 | 7.3 | 104 | 1.4 | - | | | | | | | |
| 51 | 8.0 | 10.6 | | | | | | | | | | | |
| 52 | 7.9 | 10.6 | | | | | | | | | | | |
| 53 | 7.9 | 10.6 | | | | | | | | | | | |
| 54 | 7.8 | 10.6 | | | | | | | | | | | |
| 55 | 7.8 | 10.6 | 7.3 | 108 | 1.4 | 47 | | | | | | | |
| 56 | 7.7 | 10.7 | | | | | | | | | | | |
| 57 | 7.6 | 10.7 | | | | | | | | | | | |
| 58 | 7.5 | 10.7 | | | | | | | | | | | |
| 59 | 7.4 | 10.7 | | | | | | | | | | | |
| 60 | 7.4 | 10.7 | 7.3 | 111 | 2.0 | 49 | | | | | | | |
| 61 | 7.3 | 10.8 | | | | | | | | | | | |
| 62 | 7.2 | 10.8 | | | | | | | | | | | |
| 63 | 7.2 | 10.8 | | | | | | | | | | | |
| 64 | 7.1 | 10.8 | | | | | | | | | | | |
| 65 | 7.1 | 10.8 | 7.3 | 119 | 3.2 | - | | | | | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 043.2 225.0 @ Dam May 11, 1984 @ 0800 Hrs. Secchi 6.0m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| Surf. | 15.3 | 9.9 | 7.7 | 94 | 0.8 | 42 | 66 | 8.2 | 9.7 | | | | |
| 1 | 15.3 | 9.9 | | | | | 67 | 8.1 | 9.6 | | | | |
| 2 | 15.2 | 9.8 | | | | | 68 | 8.0 | 9.6 | | | | |
| 3 | 15.1 | 9.8 | 7.7 | 94 | 0.9 | - | 69 | 8.0 | 9.6 | | | | |
| 4 | 15.1 | 9.8 | | | | | 70 | 8.0 | 9.6 | 7.4 | 103 | 2.5 | 49 |
| 5 | 14.9 | 9.9 | | | | | 71 | 8.0 | 9.6 | | | | |
| 6 | 14.5 | 9.9 | 7.7 | 94 | 0.9 | - | 72 | 7.9 | 9.6 | | | | |
| 7 | 14.1 | 9.8 | | | | | 73 | 7.7 | 9.6 | | | | |
| 8 | 14.0 | 9.8 | | | | | 74 | 7.7 | 9.6 | | | | |
| 9 | 14.0 | 9.8 | 7.6 | 95 | 0.9 | 42 | 75 | 7.6 | 9.6 | 7.2 | 111 | 3.0 | - |
| 10 | 13.9 | 9.8 | | | | | 76 | 7.5 | 9.6 | | | | |
| 11 | 13.8 | 9.7 | | | | | 77 | 7.5 | 9.6 | | | | |
| 12 | 13.1 | 9.7 | 7.5 | 93 | 1.1 | - | 78 | 7.4 | 9.6 | | | | |
| 13 | 12.8 | 9.6 | | | | | 79 | 7.4 | 9.6 | | | | |
| 14 | 12.1 | 9.6 | | | | | 80 | 7.3 | 9.5 | 7.2 | 110 | 3.2 | - |
| 15 | 11.9 | 9.6 | 7.4 | 99 | 1.2 | - | 81 | 7.2 | 9.5 | | | | |
| 16 | 11.5 | 9.6 | | | | | 82 | 7.2 | 9.5 | | | | |
| 17 | 11.3 | 9.6 | | | | | 83 | 7.1 | 9.5 | | | | |
| 18 | 11.1 | 9.6 | 7.4 | 100 | 1.4 | 44 | 84 | 7.1 | 9.5 | | | | |
| 19 | 10.9 | 9.6 | | | | | 85 | 7.1 | 9.5 | 7.2 | 115 | 3.9 | 55 |
| 20 | 10.6 | 9.7 | | | | | 86 | 7.1 | 9.5 | | | | |
| 21 | 10.2 | 9.7 | 7.3 | 100 | 1.6 | - | 87 | 7.1 | 9.5 | | | | |
| 22 | 10.1 | 9.7 | | | | | 88 | 7.1 | 9.5 | | | | |
| 23 | 10.0 | 9.7 | | | | | 89 | 7.1 | 9.5 | | | | |
| 24 | 9.9 | 9.7 | 7.3 | 100 | 1.9 | - | 90 | 7.0 | 9.5 | 7.2 | 116 | 3.9 | - |
| 25 | 9.8 | 9.7 | | | | | 91 | 7.0 | 9.5 | | | | |
| 26 | 9.7 | 9.7 | | | | | 92 | 7.0 | 9.5 | | | | |
| 27 | 9.7 | 9.7 | 7.6 | 95 | 0.9 | 43 | 93 | 7.0 | 9.5 | | | | |
| 28 | 9.4 | 9.7 | | | | | 94 | 7.0 | 9.5 | | | | |
| 29 | 9.2 | 9.7 | | | | | 95 | 7.0 | 9.5 | 7.2 | 117 | 4.5 | - |
| 30 | 9.2 | 9.7 | 7.4 | 99 | 1.6 | - | 96 | 7.0 | 9.4 | | | | |
| 31 | 9.1 | 9.7 | | | | | 97 | 7.0 | 9.4 | | | | |
| 32 | 9.1 | 9.7 | | | | | 98 | 7.0 | 9.4 | | | | |
| 33 | 9.1 | 9.7 | | | | | 99 | 7.0 | 9.4 | | | | |
| 34 | 9.1 | 9.7 | | | | | 100 | 6.9 | 9.4 | 7.2 | 119 | 4.5 | 56 |
| 35 | 9.1 | 9.7 | 7.3 | 100 | 1.5 | - | 105 | 8.7 | 10.4 | 7.2 | 120 | 4.7 | - |
| 36 | 9.1 | 9.8 | | | | | 110 | 8.7 | 10.4 | 7.2 | 122 | 4.5 | - |
| 37 | 9.0 | 9.8 | | | | | 115 | 8.7 | 10.4 | 7.2 | 120 | 4.4 | 58 |
| 38 | 9.0 | 9.7 | | | | | 120 | 8.7 | 10.4 | 7.3 | 121 | 4.0 | - |
| 39 | 9.0 | 9.7 | | | | | 125 | 8.5 | 10.5 | 7.3 | 119 | 4.2 | - |
| 40 | 9.0 | 9.7 | 7.3 | 97 | 1.1 | 44 | 130 | 8.7 | 10.3 | 7.3 | 119 | 4.2 | 58 |
| 41 | 9.0 | 9.7 | | | | | 135 | 9.3 | 10.3 | 7.4 | 106 | 2.0 | - |
| 42 | 9.0 | 9.7 | | | | | 140 | 8.2 | 10.3 | 7.3 | 121 | 4.3 | 57 |
| 43 | 9.0 | 9.7 | | | | | 145 | 8.2 | 10.4 | 7.3 | 119 | 4.4 | - |
| 44 | 9.0 | 9.7 | | | | | 149 | 8.5 | 10.4 | 7.3 | 119 | 4.5 | 57 |
| 45 | 8.9 | 9.7 | 7.3 | 100 | 1.4 | - | 150.5 | - | - | Bottom | | | |
| 46 | 8.9 | 9.7 | | | | | | | | | | | |
| 47 | 8.9 | 9.7 | | | | | | | | | | | |
| 48 | 8.9 | 9.7 | | | | | | | | | | | |
| 49 | 8.9 | 9.7 | | | | | | | | | | | |
| 50 | 8.9 | 9.7 | 7.3 | 101 | 1.5 | - | | | | | | | |
| 51 | 8.8 | 9.7 | | | | | | | | | | | |
| 52 | 8.8 | 9.7 | | | | | | | | | | | |
| 53 | 8.8 | 9.7 | | | | | | | | | | | |
| 54 | 8.8 | 9.7 | | | | | | | | | | | |
| 55 | 8.8 | 9.7 | 7.3 | 101 | 1.5 | 46 | | | | | | | |
| 56 | 8.7 | 9.7 | | | | | | | | | | | |
| 57 | 8.7 | 9.7 | | | | | | | | | | | |
| 58 | 8.6 | 9.7 | | | | | | | | | | | |
| 59 | 8.6 | 9.7 | | | | | | | | | | | |
| 60 | 8.5 | 9.7 | 7.3 | 104 | 2.0 | - | | | | | | | |
| 61 | 8.5 | 9.7 | | | | | | | | | | | |
| 62 | 8.4 | 9.7 | | | | | | | | | | | |
| 63 | 8.4 | 9.7 | | | | | | | | | | | |
| 64 | 8.2 | 9.7 | | | | | | | | | | | |
| 65 | 8.2 | 9.7 | 7.3 | 103 | 2.1 | - | | | | | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 043.2 225.0 @ Dam June 12, 1984 @ 0830 Hrs. Secchi 6.7m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| Surf. | 19.0 | 9.0 | 7.7 | 100 | 1.0 | 43 | 66 | 8.5 | 8.6 | | | | |
| 1 | 19.0 | 9.1 | | | | | 67 | 8.4 | 8.6 | | | | |
| 2 | 19.0 | 9.1 | | | | | 68 | 8.3 | 8.7 | | | | |
| 3 | 19.0 | 9.1 | 7.7 | 101 | 1.0 | - | 69 | 8.3 | 8.7 | | | | |
| 4 | 19.0 | 9.1 | | | | | 70 | 8.3 | 8.6 | 7.3 | 111 | 2.6 | - |
| 5 | 19.0 | 9.2 | | | | | 71 | 8.2 | 8.6 | | | | |
| 6 | 18.9 | 9.2 | 7.7 | 102 | 1.1 | - | 72 | 8.2 | 8.6 | | | | |
| 7 | 18.9 | 9.1 | | | | | 73 | 8.2 | 8.6 | | | | |
| 9 | 18.9 | 9.1 | 7.7 | 102 | 1.0 | 42 | 74 | 8.2 | 8.6 | | | | |
| 10 | 18.9 | 9.1 | | | | | 75 | 8.2 | 8.6 | 7.3 | 113 | 2.8 | - |
| 11 | 18.8 | 9.1 | | | | | 76 | 8.1 | 8.6 | | | | |
| 12 | 18.2 | 9.0 | 7.7 | 102 | 1.0 | - | 77 | 8.0 | 8.5 | | | | |
| 13 | 17.7 | 9.0 | | | | | 78 | 8.0 | 8.4 | | | | |
| 14 | 16.6 | 9.0 | | | | | 79 | 8.0 | 8.4 | | | | |
| 15 | 15.0 | 9.2 | 7.5 | 105 | 1.0 | - | 80 | 7.9 | 8.4 | 7.3 | 117 | 3.4 | - |
| 16 | 14.1 | 9.2 | | | | | 81 | 7.8 | 8.3 | | | | |
| 17 | 13.3 | 9.3 | | | | | 82 | 7.8 | 8.3 | | | | |
| 18 | 13.1 | 9.3 | 7.5 | 105 | 1.0 | 45 | 83 | 7.8 | 8.3 | | | | |
| 19 | 12.9 | 9.3 | | | | | 84 | 7.7 | 8.3 | | | | |
| 20 | 12.6 | 9.3 | | | | | 85 | 7.7 | 8.3 | 7.2 | 120 | 3.8 | 52 |
| 21 | 12.4 | 9.3 | 7.5 | 108 | 1.4 | - | 86 | 7.5 | 8.3 | | | | |
| 22 | 12.0 | 9.3 | | | | | 87 | 7.4 | 8.3 | | | | |
| 23 | 12.0 | 9.3 | | | | | 87 | 7.4 | 8.2 | | | | |
| 24 | 11.8 | 9.2 | 7.4 | 108 | 1.5 | - | 88 | 7.4 | - | | | | |
| 25 | 11.3 | 9.2 | | | | | 89 | 7.3 | - | | | | |
| 26 | 11.2 | 9.2 | | | | | 90 | 7.3 | - | 7.2 | 123 | 4.0 | - |
| 27 | 11.0 | 9.2 | 7.4 | 114 | 1.9 | 48 | 91 | 7.3 | - | | | | |
| 28 | 10.9 | 9.1 | | | | | 92 | 7.3 | - | | | | |
| 29 | 10.8 | 9.1 | | | | | 93 | 7.2 | - | | | | |
| 30 | 10.8 | 9.1 | 7.4 | 116 | 2.2 | - | 94 | 7.2 | - | | | | |
| 31 | 10.5 | 9.1 | | | | | 95 | 7.1 | 10.0 | 7.2 | 125 | 4.5 | - |
| 32 | 10.3 | 9.0 | | | | | 96 | 7.1 | - | | | | |
| 33 | 10.3 | 9.0 | | | | | 97 | 7.1 | - | | | | |
| 34 | 10.2 | 9.0 | | | | | 98 | 7.1 | - | | | | |
| 35 | 10.2 | 9.0 | 7.3 | 115 | 2.2 | - | 99 | 7.0 | - | | | | |
| 36 | 10.0 | 9.0 | | | | | 100 | 7.0 | 10.0 | 7.2 | 128 | 4.9 | 56 |
| 37 | 9.9 | 9.0 | | | | | 105 | 8.9 | 10.0 | 7.2 | 130 | 5.0 | - |
| 38 | 9.9 | 9.0 | | | | | 110 | 8.9 | 10.0 | 7.2 | 128 | 4.7 | - |
| 39 | 9.9 | 9.0 | | | | | 115 | 8.9 | 10.1 | 7.2 | 129 | 4.7 | 58 |
| 40 | 9.8 | 9.0 | 7.3 | 112 | 2.2 | 48 | 120 | 8.9 | 10.0 | 7.2 | 129 | 4.7 | - |
| 41 | 9.7 | 9.0 | | | | | 125 | 8.9 | 10.0 | 7.2 | 129 | 4.7 | - |
| 42 | 9.6 | 9.0 | | | | | 130 | 8.9 | 10.0 | 7.2 | 126 | 4.9 | 56 |
| 43 | 9.5 | 9.0 | | | | | 135 | 8.9 | 10.0 | 7.2 | 126 | 4.9 | - |
| 44 | 9.3 | 8.9 | | | | | 140 | 8.9 | 9.9 | 7.2 | 126 | 5.0 | - |
| 45 | 9.3 | 8.9 | 7.3 | 110 | 1.8 | - | 146 | 8.9 | 10.0 | 7.2 | 125 | 5.1 | 56 |
| 46 | 9.2 | 8.8 | | | | | 149 | - | - | Bottom | | | |
| 47 | 9.1 | 8.8 | | | | | | | | | | | |
| 48 | 9.1 | 8.8 | | | | | | | | | | | |
| 49 | 9.1 | 8.8 | | | | | | | | | | | |
| 50 | 9.0 | 8.8 | 7.3 | 107 | 1.5 | - | | | | | | | |
| 51 | 9.0 | 8.8 | | | | | | | | | | | |
| 52 | 9.0 | 8.8 | | | | | | | | | | | |
| 53 | 9.0 | 8.8 | | | | | | | | | | | |
| 54 | 8.9 | 8.7 | | | | | | | | | | | |
| 55 | 8.9 | 8.7 | 7.3 | 106 | 1.5 | 45 | | | | | | | |
| 56 | 8.9 | 8.6 | | | | | | | | | | | |
| 57 | 8.9 | 8.6 | | | | | | | | | | | |
| 58 | 8.9 | 8.6 | | | | | | | | | | | |
| 59 | 8.8 | 8.5 | | | | | | | | | | | |
| 60 | 8.8 | 8.5 | 7.3 | 110 | 2.0 | - | | | | | | | |
| 61 | 8.7 | 8.5 | | | | | | | | | | | |
| 62 | 8.7 | 8.5 | | | | | | | | | | | |
| 63 | 8.6 | 8.5 | | | | | | | | | | | |
| 64 | 8.6 | 8.5 | | | | | | | | | | | |
| 65 | 8.6 | 8.6 | 7.3 | 111 | 2.4 | - | | | | | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 043.2 225.0 @ Dam July 19, 1984 @ 0900 Hrs. Secchi 3.0m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|-----|--------|-------|------|
| Surf. | 27.2 | 8.1 | 7.7 | 105 | 1.0 | 45 | 66 | 9.0 | 9.3 | | | | |
| 1 | 27.1 | 8.1 | | | | | 67 | 9.0 | 9.3 | | | | |
| 2 | 27.1 | 8.1 | | | | | 68 | 8.9 | 9.3 | | | | |
| 3 | 27.0 | 8.1 | 7.7 | 106 | 1.0 | - | 69 | 8.9 | 9.3 | | | | |
| 4 | 26.9 | 8.1 | | | | | 70 | 8.8 | 9.3 | 7.3 | 109 | 1.8 | 49 |
| 5 | 26.8 | 8.1 | | | | | 71 | 8.8 | 9.3 | | | | |
| 6 | 26.8 | 8.1 | 7.5 | 106 | 0.9 | - | 72 | 8.7 | 9.3 | | | | |
| 7 | 26.8 | 8.1 | | | | | 73 | 8.7 | 9.3 | | | | |
| 8 | 25.4 | 8.2 | | | | | 74 | 8.6 | 9.3 | | | | |
| 9 | 23.5 | 8.2 | 7.5 | 105 | 0.6 | 46 | 75 | 8.6 | 9.3 | 7.2 | 110 | 2.1 | - |
| 10 | 21.8 | 8.5 | | | | | 76 | 8.6 | 9.3 | | | | |
| 11 | 19.9 | 8.5 | | | | | 77 | 8.5 | 9.3 | | | | |
| 12 | 19.2 | 8.3 | 7.4 | 109 | 0.7 | - | 78 | 8.5 | 9.3 | | | | |
| 13 | 18.9 | 8.2 | | | | | 79 | 8.4 | 9.2 | | | | |
| 14 | 18.6 | 8.2 | | | | | 80 | 8.3 | 9.3 | 7.2 | 113 | 2.7 | - |
| 15 | 17.8 | 8.1 | 7.3 | 112 | 0.7 | - | 81 | 8.2 | 9.2 | | | | |
| 16 | 17.6 | 8.0 | | | | | 82 | 8.1 | 9.2 | | | | |
| 17 | 17.1 | 8.0 | | | | | 83 | 8.0 | 9.2 | | | | |
| 18 | 16.6 | 8.1 | 7.3 | 114 | 0.7 | 53 | 84 | 8.0 | 9.1 | | | | |
| 19 | 16.3 | 8.1 | | | | | 85 | 7.9 | 9.0 | 7.2 | 118 | 3.5 | 52 |
| 20 | 16.0 | 8.2 | | | | | 86 | 7.8 | 9.0 | | | | |
| 21 | 15.8 | 8.2 | 7.3 | 118 | 0.7 | - | 87 | 7.7 | 9.0 | | | | |
| 22 | 15.3 | 8.3 | | | | | 88 | 7.5 | 9.0 | | | | |
| 23 | 15.1 | 8.3 | | | | | 89 | 7.4 | 8.9 | | | | |
| 24 | 14.9 | 8.5 | 7.3 | 117 | 0.8 | - | 90 | 7.4 | 8.9 | 7.2 | 124 | 4.5 | - |
| 25 | 14.4 | 8.6 | | | | | 91 | 7.3 | 8.9 | | | | |
| 26 | 14.2 | 8.7 | | | | | 92 | 7.3 | 9.0 | | | | |
| 27 | 13.6 | 8.8 | 7.3 | 113 | 0.8 | 51 | 93 | 7.3 | 9.0 | | | | |
| 28 | 13.3 | 8.9 | | | | | 94 | 7.3 | 9.0 | | | | |
| 29 | 13.1 | 8.9 | | | | | 95 | 7.3 | 9.0 | 7.2 | 125 | 4.6 | - |
| 30 | 12.8 | 9.0 | 7.3 | 109 | 0.8 | - | 96 | 7.2 | 9.0 | | | | |
| 31 | 12.6 | 9.1 | | | | | 97 | 7.2 | 9.0 | | | | |
| 32 | 12.3 | 9.1 | | | | | 98 | 7.2 | 9.1 | | | | |
| 33 | 12.0 | 9.1 | | | | | 99 | 7.1 | 9.1 | | | | |
| 34 | 11.8 | 9.1 | | | | | 100 | 7.1 | 9.1 | 7.2 | 126 | 4.8 | 57 |
| 35 | 11.7 | 9.1 | 7.3 | 110 | 1.3 | - | 105 | - | 9.2 | 7.2 | 126 | 4.9 | - |
| 36 | 11.5 | 9.1 | | | | | 110 | - | 9.3 | 7.2 | 127 | 5.0 | - |
| 37 | 11.3 | 9.2 | | | | | 115 | 9.2 | 9.4 | 7.2 | 127 | 4.8 | 57 |
| 38 | 11.2 | 9.2 | | | | | 120 | 8.9 | 9.5 | 7.2 | 127 | 5.0 | - |
| 39 | 11.1 | 9.2 | | | | | 125 | 8.3 | 9.3 | 7.2 | 127 | 5.1 | - |
| 40 | 10.9 | 9.2 | 7.3 | 114 | 1.5 | 50 | 130 | 8.9 | 9.1 | 7.2 | 128 | 5.1 | 57 |
| 41 | 10.9 | 9.2 | | | | | 135 | 8.9 | 9.1 | 7.2 | 128 | 5.0 | - |
| 42 | 10.8 | 9.2 | | | | | 140 | 9.4 | 9.1 | 7.2 | 128 | 5.6 | 58 |
| 43 | 10.8 | 9.3 | | | | | 143 | - | - | - | Bottom | | |
| 44 | 10.7 | 9.3 | | | | | | | | | | | |
| 45 | 10.6 | 9.3 | 7.3 | 116 | 1.6 | - | | | | | | | |
| 46 | 10.5 | 9.3 | | | | | | | | | | | |
| 47 | 10.4 | 9.3 | | | | | | | | | | | |
| 48 | 10.4 | 9.3 | | | | | | | | | | | |
| 49 | 10.3 | 9.3 | | | | | | | | | | | |
| 50 | 10.3 | 9.3 | 7.3 | 116 | 1.7 | - | | | | | | | |
| 51 | 10.2 | 9.3 | | | | | | | | | | | |
| 52 | 10.1 | 9.3 | | | | | | | | | | | |
| 53 | 10.0 | 9.3 | | | | | | | | | | | |
| 54 | 10.0 | 9.3 | | | | | | | | | | | |
| 55 | 9.9 | 9.4 | 7.3 | 115 | 2.1 | 53 | | | | | | | |
| 56 | 9.8 | 9.4 | | | | | | | | | | | |
| 57 | 9.7 | 9.4 | | | | | | | | | | | |
| 58 | 9.6 | 9.3 | | | | | | | | | | | |
| 59 | 9.5 | 9.3 | | | | | | | | | | | |
| 60 | 9.4 | 9.4 | 7.3 | 113 | 1.8 | - | | | | | | | |
| 61 | 9.3 | 9.4 | | | | | | | | | | | |
| 62 | 9.3 | 9.4 | | | | | | | | | | | |
| 63 | 9.2 | 9.3 | | | | | | | | | | | |
| 64 | 9.2 | 9.3 | | | | | | | | | | | |
| 65 | 9.1 | 9.3 | 7.3 | 110 | 1.7 | - | | | | | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 043.2 225.0 @ Dam August 16, 1984 @ 0830 Hrs. Secchi -

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| Surf. | 25.0 | 8.8 | 7.8 | 109 | 0.5 | 47 | 66 | 9.4 | 8.3 | | | | |
| 1 | 25.0 | 8.8 | | | | | 67 | 9.3 | 8.3 | | | | |
| 2 | 25.0 | 8.8 | | | | | 68 | 9.2 | 8.3 | | | | |
| 3 | 24.9 | 8.8 | 7.8 | 108 | 0.7 | - | 69 | 9.1 | 8.4 | | | | |
| 4 | 24.9 | 8.8 | | | | | 70 | 9.0 | 8.3 | 7.2 | 110 | 1.6 | - |
| 5 | 24.9 | 8.8 | | | | | 71 | 8.9 | 8.3 | | | | |
| 6 | 24.9 | 8.7 | 7.7 | 108 | 0.6 | - | 72 | 8.9 | 8.3 | | | | |
| 7 | 24.9 | 8.7 | | | | | 73 | 8.8 | 8.3 | | | | |
| 8 | 24.9 | 8.7 | | | | | 74 | 8.7 | 8.3 | | | | |
| 9 | 24.9 | 8.7 | 7.7 | 108 | 0.5 | 45 | 75 | 8.6 | 8.3 | 7.2 | 110 | 2.1 | - |
| 10 | 24.8 | 8.7 | | | | | 76 | 8.6 | 8.3 | | | | |
| 11 | 21.0 | 8.0 | | | | | 77 | 8.5 | 8.3 | | | | |
| 12 | 20.4 | 8.2 | 7.3 | 115 | 0.7 | 50 | 78 | 8.4 | 8.3 | | | | |
| 13 | 19.9 | 8.0 | | | | | 79 | 8.3 | 8.3 | | | | |
| 14 | 19.4 | 7.8 | | | | | 80 | 8.2 | 8.2 | 7.2 | 114 | 3.7 | 50 |
| 15 | 19.1 | 7.5 | 7.3 | 121 | 1.0 | 55 | 81 | 8.0 | 8.1 | | | | |
| 16 | 18.6 | 7.4 | | | | | 82 | 7.9 | 8.1 | | | | |
| 17 | 18.4 | 7.3 | | | | | 83 | 7.8 | 8.0 | | | | |
| 18 | 18.3 | 7.2 | 7.3 | 122 | 0.6 | - | 84 | 7.7 | 8.0 | | | | |
| 19 | 18.1 | 7.2 | | | | | 85 | 7.6 | 8.0 | 7.2 | 119 | 3.5 | - |
| 20 | 17.9 | 7.1 | | | | | 86 | 7.5 | 8.0 | | | | |
| 21 | 17.6 | 7.2 | 7.3 | 117 | 0.6 | - | 87 | 7.5 | 8.0 | | | | |
| 22 | 17.3 | 7.3 | | | | | 88 | 7.4 | 8.0 | | | | |
| 23 | 17.0 | 7.3 | | | | | 89 | 7.3 | 8.0 | | | | |
| 24 | 16.7 | 7.4 | 7.3 | 118 | 1.0 | 53 | 90 | 7.1 | 8.1 | 7.2 | 125 | 4.6 | - |
| 25 | 16.4 | 7.4 | | | | | 91 | 7.0 | 8.1 | | | | |
| 26 | 16.1 | 7.5 | | | | | 92 | 7.0 | 8.1 | | | | |
| 27 | 15.8 | 7.7 | 7.3 | 120 | 0.7 | - | 93 | 7.0 | 8.1 | | | | |
| 28 | 15.3 | 7.8 | | | | | 94 | 7.0 | 8.2 | | | | |
| 29 | 15.0 | 7.8 | | | | | 95 | 7.0 | 8.3 | 7.2 | 126 | 4.5 | 55 |
| 30 | 14.9 | 7.9 | 7.3 | 119 | 0.9 | - | 96 | 7.0 | 8.3 | | | | |
| 31 | 14.5 | 8.0 | | | | | 97 | 6.9 | 8.3 | | | | |
| 32 | 14.3 | 8.1 | | | | | 98 | 6.9 | 8.4 | | | | |
| 33 | 14.0 | 8.2 | | | | | 99 | 6.9 | 8.4 | | | | |
| 34 | 13.8 | 8.3 | | | | | 100 | 6.9 | 8.4 | 7.2 | 127 | 5.3 | - |
| 35 | 13.6 | 8.3 | 7.3 | 114 | 0.9 | 51 | 105 | - | - | - | 127 | 5.3 | - |
| 36 | 13.3 | 8.5 | | | | | 110 | 8.3 | 8.9 | 7.2 | 127 | 4.6 | 56 |
| 37 | 13.1 | 8.5 | | | | | 115 | 8.3 | 9.1 | 7.2 | 127 | 4.6 | - |
| 38 | 13.0 | 8.6 | | | | | 120 | 7.8 | 9.2 | 7.2 | 127 | 4.9 | - |
| 39 | 12.8 | 8.6 | | | | | 125 | 7.8 | 9.0 | 7.2 | 127 | 4.9 | 57 |
| 40 | 12.6 | 8.7 | 7.3 | 108 | 1.0 | - | 130 | 7.8 | 8.7 | 7.1 | 127 | 5.5 | - |
| 41 | 12.3 | 8.7 | | | | | 135 | 8.9 | 8.5 | 7.1 | 127 | 15.0 | 58 |
| 42 | 12.1 | 8.7 | | | | | 137 | - | - | Bottom | | | |
| 43 | 12.0 | 8.7 | | | | | | | | | | | |
| 44 | 11.9 | 8.7 | | | | | | | | | | | |
| 45 | 11.7 | 8.6 | 7.3 | 110 | 1.3 | - | | | | | | | |
| 46 | 11.5 | 8.6 | | | | | | | | | | | |
| 47 | 11.3 | 8.6 | | | | | | | | | | | |
| 48 | 11.2 | 8.6 | | | | | | | | | | | |
| 49 | 11.1 | 8.6 | | | | | | | | | | | |
| 50 | 11.0 | 8.6 | 7.3 | 116 | 1.7 | 51 | | | | | | | |
| 51 | 10.9 | 8.6 | | | | | | | | | | | |
| 52 | 10.8 | 8.5 | | | | | | | | | | | |
| 53 | 10.8 | 8.5 | | | | | | | | | | | |
| 54 | 10.7 | 8.5 | | | | | | | | | | | |
| 55 | 10.6 | 8.5 | 7.3 | 118 | 2.0 | - | | | | | | | |
| 56 | 10.5 | 8.5 | | | | | | | | | | | |
| 57 | 10.4 | 8.5 | | | | | | | | | | | |
| 58 | 10.3 | 8.5 | | | | | | | | | | | |
| 59 | 10.3 | 8.5 | | | | | | | | | | | |
| 60 | 10.2 | 8.5 | 7.2 | 115 | 2.0 | - | | | | | | | |
| 61 | 10.1 | 8.4 | | | | | | | | | | | |
| 62 | 10.0 | 8.4 | | | | | | | | | | | |
| 63 | 9.8 | 8.4 | | | | | | | | | | | |
| 64 | 9.7 | 8.4 | | | | | | | | | | | |
| 65 | 9.5 | 8.3 | 7.2 | 112 | 1.9 | 50 | | | | | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 043.2 225.0 @ Dam September 14, 1984 @ 0800 Hrs. Secchi 7.6m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| Surf. | 22.5 | 8.1 | 7.6 | 114 | 0.5 | 50 | 66 | 9.7 | 7.0 | | | | |
| 1 | 22.5 | 8.05 | | | | | 67 | 9.6 | 7.0 | | | | |
| 2 | 22.5 | 8.05 | | | | | 68 | 9.4 | 7.0 | | | | |
| 3 | 22.5 | 8.05 | 7.6 | 114 | 0.6 | - | 69 | 9.1 | 7.0 | | | | |
| 4 | 22.5 | 8.0 | | | | | 70 | 9.0 | 7.0 | 7.1 | 115 | 1.9 | 50 |
| 5 | 22.5 | 8.0 | | | | | 71 | 9.0 | 7.0 | | | | |
| 6 | 22.5 | 8.0 | 7.6 | 114 | 0.5 | - | 72 | 8.9 | 7.0 | | | | |
| 7 | 22.5 | 7.95 | | | | | 73 | 8.9 | 7.0 | | | | |
| 8 | 22.5 | 7.95 | | | | | 74 | 8.7 | 7.0 | | | | |
| 9 | 22.5 | 7.95 | 7.6 | 114 | 0.6 | 48 | 75 | 8.6 | 7.0 | 7.0 | 115 | 2.0 | - |
| 10 | 22.5 | 7.95 | | | | | 76 | 8.4 | 7.0 | | | | |
| 11 | 22.5 | 7.95 | | | | | 77 | 8.3 | 7.0 | | | | |
| 12 | 22.5 | 7.9 | 7.6 | 114 | 0.6 | - | 78 | 8.2 | 6.95 | | | | |
| 13 | 22.5 | 7.9 | | | | | 79 | 8.0 | 6.95 | | | | |
| 14 | 19.3 | 6.25 | | | | | 80 | 7.9 | 6.9 | 7.0 | 117 | 2.6 | - |
| 15 | 19.1 | 6.1 | 7.3 | 125 | 0.6 | - | 81 | 7.8 | 6.75 | | | | |
| 16 | 18.8 | 5.9 | | | | | 82 | 7.7 | 6.75 | | | | |
| 17 | 18.5 | 5.8 | | | | | 83 | 7.5 | 6.85 | | | | |
| 18 | 18.3 | 5.75 | 7.2 | 129 | 0.6 | 60 | 84 | 7.3 | 6.85 | | | | |
| 19 | 18.2 | 5.75 | | | | | 85 | 7.2 | 6.85 | 7.0 | 122 | 3.6 | 55 |
| 20 | 18.1 | 5.8 | | | | | 86 | 7.2 | 6.8 | | | | |
| 21 | 18.0 | 5.8 | 7.2 | 130 | 0.5 | - | 87 | 7.1 | 6.9 | | | | |
| 22 | 17.9 | 5.9 | | | | | 88 | 7.1 | 6.9 | | | | |
| 23 | 17.7 | 6.0 | | | | | 89 | 7.0 | 6.9 | | | | |
| 24 | 17.5 | 6.1 | 7.2 | 126 | 0.5 | - | 90 | 7.0 | 6.9 | 7.0 | 126 | 4.4 | - |
| 25 | 17.2 | 6.15 | | | | | 91 | 7.0 | 6.9 | | | | |
| 26 | 17.0 | 6.2 | | | | | 92 | 7.0 | 6.95 | | | | |
| 27 | 16.9 | 6.3 | 7.2 | 123 | 0.5 | 55 | 93 | 6.9 | 7.1 | | | | |
| 28 | 16.7 | 6.3 | | | | | 94 | 6.9 | 7.15 | | | | |
| 29 | 16.2 | 6.45 | | | | | 95 | 6.9 | 7.15 | 7.0 | 129 | 5.0 | - |
| 30 | 16.0 | 6.5 | 7.2 | 123 | 1.0 | - | 96 | 6.9 | 7.15 | | | | |
| 31 | 15.8 | 6.65 | | | | | 97 | 6.9 | 7.2 | | | | |
| 32 | 15.6 | 6.7 | | | | | 98 | 6.9 | 7.2 | | | | |
| 33 | 15.4 | 6.7 | | | | | 99 | 6.9 | 7.2 | | | | |
| 34 | 15.2 | 6.75 | | | | | 100 | 6.9 | 7.2 | 7.0 | 129 | 4.9 | 56 |
| 35 | 15.0 | 6.8 | 7.2 | 123 | 0.8 | - | 105 | - | 8.8 | 7.0 | 130 | 5.6 | - |
| 36 | 14.8 | 6.9 | | | | | 110 | - | 8.9 | 7.0 | 130 | 5.2 | - |
| 37 | 14.5 | 7.0 | | | | | 115 | - | 8.9 | 7.0 | 130 | 5.3 | 57 |
| 38 | 14.3 | 7.1 | | | | | 120 | - | 8.9 | 7.0 | 130 | 5.5 | - |
| 39 | 14.0 | 7.15 | | | | | 125 | - | 8.7 | 7.0 | 131 | 5.6 | - |
| 40 | 13.8 | 7.25 | 7.2 | 118 | 0.8 | 53 | 130 | - | 8.3 | 7.0 | 131 | 6.3 | 60 |
| 41 | 13.7 | 7.3 | | | | | 131 | - | - | Bottom | | | |
| 42 | 13.5 | 7.35 | | | | | | | | | | | |
| 43 | 13.3 | 7.45 | | | | | | | | | | | |
| 44 | 13.1 | 7.5 | | | | | | | | | | | |
| 45 | 12.9 | 7.6 | 7.2 | 115 | 0.7 | - | | | | | | | |
| 46 | 12.7 | 7.65 | | | | | | | | | | | |
| 47 | 12.6 | 7.75 | | | | | | | | | | | |
| 48 | 12.3 | 7.65 | | | | | | | | | | | |
| 49 | 12.1 | 7.6 | | | | | | | | | | | |
| 50 | 11.9 | 7.6 | 7.2 | 113 | 0.9 | - | | | | | | | |
| 51 | 11.8 | 7.6 | | | | | | | | | | | |
| 52 | 11.7 | 7.5 | | | | | | | | | | | |
| 53 | 11.5 | 7.5 | | | | | | | | | | | |
| 54 | 11.3 | 7.5 | | | | | | | | | | | |
| 55 | 11.3 | 7.5 | 7.2 | 117 | 1.5 | 51 | | | | | | | |
| 56 | 11.2 | 7.45 | | | | | | | | | | | |
| 57 | 11.0 | 7.45 | | | | | | | | | | | |
| 58 | 10.9 | 7.4 | | | | | | | | | | | |
| 59 | 10.8 | 7.4 | | | | | | | | | | | |
| 60 | 10.7 | 7.4 | 7.2 | 119 | 1.9 | - | | | | | | | |
| 61 | 10.4 | 7.3 | | | | | | | | | | | |
| 62 | 10.2 | 7.25 | | | | | | | | | | | |
| 63 | 10.2 | 7.2 | | | | | | | | | | | |
| 64 | 10.0 | 7.15 | | | | | | | | | | | |
| 65 | 9.9 | 7.1 | 7.2 | 117 | 1.9 | - | | | | | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 043.2 225.0 @ Dam October 24, 1984 @ 0930 Hrs. Secchi 8.3m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|-----|--------|-------|------|
| Surf. | 16.4 | 8.2 | 7.4 | 126 | 0.9 | 54 | 66 | 10.3 | 5.2 | | | | |
| 1 | 16.4 | 7.9 | | | | | 67 | 10.0 | 5.2 | | | | |
| 2 | 16.4 | 7.8 | | | | | 68 | 9.8 | 5.2 | | | | |
| 3 | 16.4 | 7.7 | 7.3 | 125 | 0.9 | - | 69 | 9.7 | 5.2 | | | | |
| 4 | 16.5 | 7.6 | | | | | 70 | 9.5 | 5.2 | 7.1 | 118 | 2.2 | 52 |
| 5 | 16.6 | 7.5 | | | | | 71 | 9.3 | 5.2 | | | | |
| 6 | 16.6 | 7.4 | 7.3 | 125 | 0.9 | - | 72 | 9.0 | 5.2 | | | | |
| 7 | 16.6 | 7.4 | | | | | 73 | 8.9 | 5.3 | | | | |
| 8 | 16.6 | 7.3 | | | | | 74 | 8.7 | 5.3 | | | | |
| 9 | 16.6 | 7.3 | 7.3 | 125 | 0.9 | 56 | 75 | 8.5 | 5.3 | 7.1 | 117 | 2.5 | - |
| 10 | 16.6 | 7.2 | | | | | 76 | 8.4 | 5.3 | | | | |
| 11 | 16.6 | 7.2 | | | | | 77 | 8.2 | 5.4 | | | | |
| 12 | 16.6 | 7.1 | 7.3 | 125 | 1.0 | - | 78 | 8.0 | 5.4 | | | | |
| 13 | 15.8 | 6.9 | | | | | 79 | 7.9 | 5.4 | | | | |
| 14 | 15.8 | 6.8 | | | | | 80 | 7.8 | 5.4 | 7.1 | 120 | 3.7 | - |
| 15 | 15.9 | 6.8 | 7.3 | 125 | 1.0 | - | 81 | 7.7 | 5.5 | | | | |
| 16 | 16.0 | 6.7 | | | | | 82 | 7.5 | 5.5 | | | | |
| 17 | 16.0 | 6.6 | | | | | 83 | 7.3 | 5.6 | | | | |
| 18 | 16.0 | 6.5 | 7.3 | 125 | 1.0 | 56 | 84 | 7.2 | 5.7 | | | | |
| 19 | 16.0 | 6.5 | | | | | 85 | 7.1 | 5.8 | 7.1 | 125 | 5.0 | 56 |
| 20 | 16.0 | 6.4 | | | | | 86 | 6.9 | 5.8 | | | | |
| 21 | 16.0 | 6.4 | 7.3 | 125 | 1.1 | - | 87 | 6.9 | 5.9 | | | | |
| 22 | 16.1 | 6.3 | | | | | 88 | 6.9 | 5.9 | | | | |
| 23 | 16.1 | 6.3 | | | | | 89 | 6.9 | 6.0 | | | | |
| 24 | 16.0 | 6.3 | 7.3 | 125 | 1.0 | - | 90 | 6.8 | 6.0 | 7.1 | 127 | 5.3 | - |
| 25 | 16.0 | 6.3 | | | | | 91 | 6.8 | 6.0 | | | | |
| 26 | 16.0 | 6.3 | | | | | 92 | 6.7 | 6.1 | | | | |
| 27 | 16.0 | 6.2 | 7.3 | 124 | 0.8 | 55 | 93 | 6.7 | 6.2 | | | | |
| 28 | 16.0 | 6.2 | | | | | 94 | 6.7 | 6.5 | | | | |
| 29 | 16.0 | 6.2 | | | | | 95 | 6.7 | 6.5 | 7.1 | 129 | 5.7 | - |
| 30 | 16.0 | 6.2 | 7.3 | 125 | 1.0 | - | 96 | 6.7 | 6.5 | | | | |
| 31 | 16.0 | 6.2 | | | | | 97 | 6.6 | 6.5 | | | | |
| 32 | 16.0 | 6.2 | | | | | 98 | 6.6 | 6.5 | | | | |
| 33 | 16.0 | 6.1 | | | | | 99 | 6.5 | 6.5 | | | | |
| 34 | 15.3 | 5.4 | | | | | 100 | 6.5 | 6.6 | 7.1 | 130 | 5.6 | 57 |
| 35 | 15.0 | 5.3 | 7.3 | 125 | 1.1 | - | 105 | - | 8.2 | 7.1 | 130 | 6.0 | - |
| 36 | 14.8 | 5.3 | | | | | 110 | - | 8.5 | 7.0 | 131 | 5.6 | - |
| 37 | 14.8 | 5.3 | | | | | 115 | - | 8.4 | 7.0 | 131 | 6.3 | 57 |
| 38 | 14.7 | 5.3 | | | | | 120 | - | 8.2 | 7.0 | 132 | 6.5 | - |
| 39 | 14.5 | 5.3 | | | | | 125 | - | 8.0 | 7.0 | 132 | 7.9 | - |
| 40 | 14.3 | 5.3 | 7.3 | 125 | 1.0 | 55 | 130 | - | 7.0 | 7.0 | 132 | 7.2 | 60 |
| 41 | 14.2 | 5.3 | | | | | 131.5 | - | - | - | Bottom | | |
| 42 | 14.1 | 5.3 | | | | | | | | | | | |
| 43 | 14.0 | 5.2 | | | | | | | | | | | |
| 44 | 14.0 | 5.2 | | | | | | | | | | | |
| 45 | 14.0 | 5.3 | 7.2 | 130 | 1.1 | - | | | | | | | |
| 46 | 13.9 | 5.3 | | | | | | | | | | | |
| 47 | 13.7 | 5.3 | | | | | | | | | | | |
| 48 | 13.6 | 5.3 | | | | | | | | | | | |
| 49 | 13.5 | 5.3 | | | | | | | | | | | |
| 50 | 13.4 | 5.3 | 7.2 | 126 | 1.3 | - | | | | | | | |
| 51 | 13.3 | 5.3 | | | | | | | | | | | |
| 52 | 13.2 | 5.3 | | | | | | | | | | | |
| 53 | 13.1 | 5.3 | | | | | | | | | | | |
| 54 | 13.0 | 5.4 | | | | | | | | | | | |
| 55 | 12.8 | 5.4 | 7.2 | 119 | 1.5 | 51 | | | | | | | |
| 56 | 12.6 | 5.4 | | | | | | | | | | | |
| 57 | 12.5 | 5.4 | | | | | | | | | | | |
| 58 | 12.3 | 5.4 | | | | | | | | | | | |
| 59 | 12.1 | 5.4 | | | | | | | | | | | |
| 60 | 11.8 | 5.4 | 7.1 | 116 | 1.6 | - | | | | | | | |
| 61 | 11.4 | 5.4 | | | | | | | | | | | |
| 62 | 11.2 | 5.4 | | | | | | | | | | | |
| 63 | 11.0 | 5.3 | | | | | | | | | | | |
| 64 | 10.8 | 5.3 | | | | | | | | | | | |
| 65 | 10.6 | 5.3 | 7.1 | 117 | 2.2 | - | | | | | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 044.3 227.3 Little Squaw Creek Inlet
May 12, 1983 @ 1415 Hrs. Secchi 2.4m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|--------|------|-------|------|
| Surf. | 14.0 | 10.8 | 7.4 | 71 | 2.4 | 29 |
| 1 | 13.9 | 10.9 | | | | |
| 2 | 13.5 | 11.0 | | | | |
| 3 | 12.9 | 10.9 | 7.4 | 70 | 2.6 | - |
| 4 | 12.3 | 11.0 | | | | |
| 5 | 11.8 | 11.0 | | | | |
| 6 | 11.5 | 11.0 | 7.3 | 72 | 2.7 | 29 |
| 7 | 11.3 | 11.0 | | | | |
| 8 | 11.1 | 11.0 | | | | |
| 9 | 11.0 | 10.9 | 7.3 | 72 | 2.7 | - |
| 10 | 11.0 | 10.8 | | | | |
| 11 | 10.9 | 10.9 | | | | |
| 12 | 10.9 | 10.8 | 7.2 | 73 | 2.7 | 29 |
| 13 | 10.9 | 10.8 | | | | |
| 14 | 10.8 | 10.8 | | | | |
| 15 | 10.6 | 10.8 | 7.1 | 68 | 3.9 | 19 |
| 16 | 10.2 | 10.8 | | | | |
| 17 | 10.0 | 10.9 | | | | |
| 18 | 9.9 | 10.9 | 7.1 | 66 | 4.1 | 15 |
| 19 | 9.3 | 10.9 | | | | |
| 20 | 8.9 | 10.9 | | | | |
| 21 | 8.5 | 10.9 | 7.1 | 68 | 3.4 | - |
| 22 | 8.5 | 10.9 | | | | |
| 23 | 8.3 | 10.9 | | | | |
| 24 | 8.2 | 10.8 | 7.1 | 71 | 4.1 | 23 |
| 25 | 8.1 | 10.8 | | | | |
| 26 | 8.0 | 10.8 | | | | |
| 27 | 8.0 | 10.8 | 7.1 | 69 | 3.2 | - |
| 28 | 8.0 | 10.8 | | | | |
| 29 | 7.9 | 10.8 | | | | |
| 30 | 7.9 | 10.8 | 7.1 | 71 | 5.0 | 26 |
| 31 | 7.9 | 10.8 | | | | |
| 32 | 7.9 | 10.8 | | | | |
| 33 | 7.9 | 10.8 | 7.1 | 72 | 4.2 | - |
| 34 | 7.8 | 10.8 | | | | |
| 35 | 7.8 | 10.8 | | | | |
| 36 | 7.8 | 10.8 | 7.1 | 73 | 4.1 | 29 |
| 37 | 7.7 | 10.8 | | | | |
| 38 | 7.7 | 10.8 | | | | |
| 39 | 7.7 | 10.8 | 7.1 | 71 | 4.4 | - |
| 40 | 7.7 | 10.8 | | | | |
| 41 | 7.7 | 10.8 | | | | |
| 42 | 7.6 | 10.8 | 7.1 | 80 | 5.4 | 32 |
| 43 | - | - | Bottom | | | |

Sta. A2L 044.3 227.3 Little Squaw Creek Inlet
June 21, 1983 @ 1300 Hrs. Secchi 3.2m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|--------|------|-------|------|
| Surf. | 22.2 | 8.4 | 7.4 | 76 | 2.1 | 33 |
| 1 | 22.1 | 8.4 | | | | |
| 2 | 21.9 | 8.4 | | | | |
| 3 | 21.6 | 8.4 | 7.6 | 77 | 1.2 | - |
| 4 | 21.4 | 8.4 | | | | |
| 5 | 21.3 | 8.4 | | | | |
| 6 | 21.3 | 8.4 | 7.4 | 76 | 2.0 | 34 |
| 7 | 21.2 | 8.3 | | | | |
| 8 | 21.2 | 8.3 | | | | |
| 9 | 21.0 | 8.3 | 7.4 | 78 | 1.5 | - |
| 10 | 20.7 | 8.4 | | | | |
| 11 | 19.1 | 8.5 | | | | |
| 12 | 14.6 | 8.9 | 7.3 | 80 | 2.6 | 33 |
| 13 | 14.2 | 9.1 | | | | |
| 14 | 13.6 | 9.0 | | | | |
| 15 | 13.2 | 9.1 | 7.3 | 77 | 2.2 | - |
| 16 | 12.9 | 9.1 | | | | |
| 17 | 12.7 | 9.1 | | | | |
| 18 | 12.7 | 9.0 | 7.3 | 72 | 2.2 | 30 |
| 19 | 11.9 | 9.1 | | | | |
| 20 | 11.6 | 9.1 | | | | |
| 21 | 11.4 | 9.1 | 7.1 | 72 | 2.2 | - |
| 22 | 11.3 | 9.1 | | | | |
| 23 | 11.1 | 9.0 | | | | |
| 24 | 11.0 | 9.0 | 7.1 | 72 | 2.6 | 28 |
| 25 | 10.9 | 9.1 | | | | |
| 26 | 10.7 | 9.2 | | | | |
| 27 | 10.5 | 9.2 | 7.1 | 74 | 2.8 | - |
| 28 | 10.3 | 9.2 | | | | |
| 29 | 10.2 | 9.2 | | | | |
| 30 | 10.1 | 9.3 | 7.1 | 76 | 3.1 | 30 |
| 31 | 10.0 | 9.3 | | | | |
| 32 | 10.0 | 9.3 | | | | |
| 33 | 10.0 | 9.3 | 7.1 | 77 | 3.4 | - |
| 34 | 9.9 | 9.3 | | | | |
| 35 | 9.9 | 9.3 | | | | |
| 36 | 9.8 | 9.3 | 7.1 | 75 | 3.3 | 30 |
| 37 | 9.6 | 9.3 | | | | |
| 38 | 9.4 | 9.3 | | | | |
| 39 | 9.3 | 9.4 | 7.1 | 76 | 4.2 | - |
| 40 | 9.2 | 9.4 | | | | |
| 41 | 9.1 | 9.4 | | | | |
| 42 | 9.1 | 9.4 | 7.1 | 77 | 4.3 | 32 |
| 43 | 9.1 | 9.3 | | | | |
| 44 | 9.1 | 9.3 | | | | |
| 44.3 | - | - | Bottom | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 044.3 227.3 Little Squaw Creek Inlet
July 28, 1983 @ 1330 Hrs. Secchi 3.6m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|--------|------|-------|------|
| Surf. | 25.0 | 8.0 | 7.7 | 89 | 1.6 | 39 |
| 1 | 25.0 | 8.0 | | | | |
| 2 | 24.5 | 8.0 | | | | |
| 3 | 24.2 | 8.0 | 7.7 | 90 | 1.6 | 38 |
| 4 | 23.8 | 8.0 | | | | |
| 5 | 23.5 | 8.0 | | | | |
| 6 | 23.4 | 8.0 | 7.6 | 90 | 1.3 | - |
| 7 | 23.0 | 7.9 | | | | |
| 8 | 22.7 | 7.9 | | | | |
| 9 | 21.0 | 7.6 | 7.4 | 90 | 1.6 | - |
| 10 | 18.9 | 7.4 | | | | |
| 11 | 17.9 | 7.2 | | | | |
| 12 | 16.8 | 7.4 | 7.3 | 104 | 1.8 | 46 |
| 13 | 16.5 | 7.4 | | | | |
| 14 | 16.2 | 7.4 | | | | |
| 15 | 16.0 | 7.4 | 7.3 | 102 | 1.9 | - |
| 16 | 15.8 | 7.3 | | | | |
| 17 | 15.5 | 7.4 | | | | |
| 18 | 15.3 | 7.4 | 7.3 | 102 | 1.9 | - |
| 19 | 15.0 | 7.4 | | | | |
| 20 | 14.8 | 7.4 | | | | |
| 21 | 14.5 | 7.4 | 7.3 | 98 | 2.1 | 41 |
| 22 | 14.3 | 7.5 | | | | |
| 23 | 14.0 | 7.6 | | | | |
| 24 | 13.7 | 7.6 | 7.3 | 90 | 2.4 | - |
| 25 | 13.2 | 7.7 | | | | |
| 26 | 13.1 | 7.8 | | | | |
| 27 | 13.0 | 7.7 | 7.3 | 86 | 2.4 | - |
| 28 | 12.8 | 7.7 | | | | |
| 29 | 12.4 | 7.9 | | | | |
| 30 | 12.2 | 7.9 | 7.3 | 81 | 2.7 | 32 |
| 31 | 12.0 | 8.0 | | | | |
| 32 | 11.9 | 8.1 | | | | |
| 33 | 11.8 | 8.2 | 7.3 | 79 | 2.8 | - |
| 34 | 11.6 | 8.2 | | | | |
| 35 | 11.4 | 8.2 | | | | |
| 36 | 11.3 | 8.1 | 7.3 | 80 | 3.0 | 32 |
| 37 | 11.2 | 8.1 | | | | |
| 38 | 11.1 | 8.1 | | | | |
| 39 | 11.0 | 8.2 | 7.3 | 81 | 3.1 | - |
| 40 | 10.9 | 8.2 | | | | |
| 41 | 10.8 | 8.2 | | | | |
| 42 | 10.8 | 8.3 | 7.3 | 82 | 3.6 | 31 |
| 43 | 10.8 | 8.4 | | | | |
| 44 | 10.7 | 8.4 | | | | |
| 45 | 10.6 | 8.4 | 7.3 | 82 | 9.4 | - |
| 46 | 10.6 | 8.4 | | | | |
| 47 | 10.6 | 8.4 | | | | |
| 48 | 10.2 | 1.0 | 7.3 | 82 | 7.1 | 31 |
| 49 | - | - | Bottom | | | |

Sta. A2L 044.3 227.3 Little Squaw Creek Inlet
August 25, 1983 @ 1130 Hrs. Secchi 4.2m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|--------|------|-------|------|
| Surf. | 24.4 | 7.9 | 7.7 | 96 | 0.8 | 36 |
| 1 | 24.3 | 7.9 | | | | |
| 2 | 24.3 | 7.9 | | | | |
| 3 | 24.1 | 7.9 | 7.6 | 96 | 0.8 | - |
| 4 | 24.0 | 7.9 | | | | |
| 5 | 24.0 | 7.8 | | | | |
| 6 | 23.9 | 7.8 | 7.5 | 96 | 0.8 | - |
| 7 | 23.8 | 7.8 | | | | |
| 8 | 23.7 | 7.7 | | | | |
| 9 | 23.5 | 7.6 | 7.3 | 98 | 0.9 | 36 |
| 10 | 22.5 | 7.4 | | | | |
| 11 | 19.5 | 6.7 | | | | |
| 12 | 18.8 | 6.6 | 7.3 | 108 | 0.9 | - |
| 13 | 18.1 | 6.2 | | | | |
| 14 | 17.7 | 6.4 | | | | |
| 15 | 17.4 | 6.5 | 7.2 | 112 | 1.1 | - |
| 16 | 17.0 | 6.4 | | | | |
| 17 | 16.8 | 6.3 | | | | |
| 18 | 16.5 | 6.0 | 7.1 | 110 | 1.5 | 46 |
| 19 | 16.4 | 6.2 | | | | |
| 20 | 16.1 | 6.2 | | | | |
| 21 | 16.1 | 6.2 | 7.1 | 110 | 1.3 | - |
| 22 | 15.9 | 6.3 | | | | |
| 23 | 15.5 | 6.3 | | | | |
| 24 | 15.4 | 6.7 | 7.1 | 107 | 1.5 | - |
| 25 | 15.2 | 6.9 | | | | |
| 26 | 15.0 | 6.9 | | | | |
| 27 | 14.9 | 7.1 | 7.1 | 104 | 1.5 | 44 |
| 28 | 14.6 | 7.2 | | | | |
| 29 | 14.5 | 7.0 | | | | |
| 30 | 14.2 | 7.2 | 7.1 | 100 | 1.5 | - |
| 31 | 14.0 | 6.8 | | | | |
| 32 | 13.7 | 7.1 | | | | |
| 33 | 13.4 | 7.3 | 7.1 | 93 | 1.7 | - |
| 34 | 13.2 | 7.1 | | | | |
| 35 | 12.9 | 7.2 | | | | |
| 36 | 12.6 | 7.6 | 7.1 | 88 | 1.5 | 35 |
| 37 | 12.4 | 7.6 | | | | |
| 38 | 12.3 | 7.4 | | | | |
| 39 | 12.1 | 7.7 | 7.1 | 84 | 1.3 | - |
| 40 | 11.9 | 7.7 | | | | |
| 41 | 11.8 | 7.8 | | | | |
| 42 | 11.8 | 7.8 | 7.1 | 84 | 1.9 | - |
| 43 | 11.8 | 7.9 | | | | |
| 44 | 11.7 | 7.8 | | | | |
| 45 | 11.7 | 7.8 | 7.1 | 84 | 2.6 | 32 |
| 45.8 | - | - | Bottom | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 044.3 227.3 Little Squaw Creek Inlet
October 4, 1983 @ 1200 Hrs. Secchi 5.3m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|--------|------|-------|------|
| Surf. | 20.2 | 8.2 | 7.6 | 105 | 0.4 | 43 |
| 1 | 20.2 | 8.2 | | | | |
| 2 | 20.2 | 8.2 | | | | |
| 3 | 20.0 | 8.2 | 7.5 | 105 | 0.5 | - |
| 4 | 20.0 | 8.2 | | | | |
| 5 | 20.0 | 8.1 | | | | |
| 6 | 20.0 | 8.1 | 7.5 | 105 | 0.5 | - |
| 7 | 20.0 | 8.1 | | | | |
| 8 | 19.9 | 8.1 | | | | |
| 9 | 19.9 | 8.1 | 7.5 | 105 | 0.5 | 44 |
| 10 | 19.9 | 8.0 | | | | |
| 11 | 19.9 | 7.9 | | | | |
| 12 | 19.8 | 7.8 | 7.4 | 106 | 0.6 | - |
| 13 | 19.8 | 7.8 | | | | |
| 14 | 19.8 | 7.7 | | | | |
| 15 | 19.4 | 7.5 | 7.2 | 107 | 1.1 | - |
| 16 | 17.9 | 5.2 | | | | |
| 17 | 17.3 | 5.1 | | | | |
| 18 | 17.1 | 5.1 | 7.1 | 116 | 1.1 | 52 |
| 19 | 16.9 | 5.1 | | | | |
| 20 | 16.7 | 5.2 | | | | |
| 21 | 16.5 | 5.3 | 7.1 | 116 | 0.9 | - |
| 22 | 16.4 | 5.3 | | | | |
| 23 | 16.2 | 5.3 | | | | |
| 24 | 16.2 | 5.3 | 7.1 | 115 | 1.2 | - |
| 25 | 16.1 | 5.6 | | | | |
| 26 | 16.0 | 5.8 | | | | |
| 27 | 16.0 | 5.8 | 7.1 | 114 | 2.5 | 51 |
| 28 | 15.8 | 5.5 | | | | |
| 29 | 15.8 | 5.3 | | | | |
| 30 | 15.7 | 5.3 | 7.0 | 113 | 1.6 | - |
| 31 | 15.6 | 5.3 | | | | |
| 32 | 15.4 | 5.6 | | | | |
| 33 | 15.3 | 5.7 | 7.1 | 111 | 1.9 | 57 |
| 34 | 14.8 | 5.5 | | | | |
| 34.3 | - | - | Bottom | | | |

Sta. A2L 044.3 227.3 Little Squaw Creek Inlet
October 27, 1983 @ 0800 Hrs. Secchi 3.7m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|--------|------|-------|------|
| Surf. | 17.7 | 8.2 | 7.3 | 108 | 1.0 | 46 |
| 1 | 17.7 | 8.1 | | | | |
| 2 | 17.7 | 8.1 | | | | |
| 3 | 17.7 | 8.1 | 7.3 | 107 | 1.1 | - |
| 4 | 17.7 | 8.1 | | | | |
| 5 | 17.7 | 8.1 | | | | |
| 6 | 17.7 | 8.1 | 7.3 | 108 | 1.2 | - |
| 7 | 17.7 | 8.1 | | | | |
| 8 | 17.7 | 8.0 | | | | |
| 9 | 17.7 | 8.0 | 7.3 | 108 | 0.9 | 47 |
| 10 | 17.7 | 8.0 | | | | |
| 11 | 17.7 | 8.0 | | | | |
| 12 | 17.7 | 8.0 | 7.3 | 108 | 1.3 | - |
| 13 | 17.7 | 8.0 | | | | |
| 14 | 17.7 | 8.0 | | | | |
| 15 | 17.7 | 8.0 | 7.3 | 108 | 1.4 | - |
| 16 | 17.7 | 8.0 | | | | |
| 17 | 17.7 | 8.0 | | | | |
| 18 | 17.6 | 8.0 | 7.2 | 115 | 1.4 | 46 |
| 19 | 17.5 | 8.0 | | | | |
| 20 | 17.2 | 7.5 | | | | |
| 21 | 16.1 | 5.2 | 7.0 | 114 | 1.9 | - |
| 22 | 16.0 | 5.1 | | | | |
| 23 | 15.9 | 5.3 | | | | |
| 24 | 15.9 | 5.2 | 7.0 | 113 | 2.0 | - |
| 25 | 15.9 | 5.3 | | | | |
| 26 | 15.8 | 5.3 | | | | |
| 27 | 15.7 | 5.0 | 6.9 | 113 | 2.1 | 50 |
| 28 | 15.6 | 4.8 | | | | |
| 29 | 15.4 | 5.1 | | | | |
| 30 | 15.2 | 5.5 | 6.9 | 111 | 1.8 | - |
| 31 | 15.1 | 5.4 | | | | |
| 32 | 15.0 | 5.6 | 6.9 | 109 | 2.0 | 49 |
| 33 | 15.0 | 5.6 | | | | |
| 33.1 | - | - | Bottom | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 044.3 227.3 Little Squaw Creek Inlet
December 5, 1983 @ 1400 Hrs. Secchi 4.4m
Depth(m) Temp.(°C) D.O. pH E.C. Turb. Alk.

| | | | | | | |
|-------|------|-----|--------|-----|-----|----|
| Surf. | 12.2 | 9.2 | 7.3 | 105 | 1.5 | 45 |
| 1 | 12.7 | 9.1 | | | | |
| 2 | 12.7 | 9.0 | | | | |
| 3 | 12.7 | 9.0 | 7.3 | 105 | 1.6 | - |
| 4 | 12.7 | 9.0 | | | | |
| 5 | 12.7 | 9.0 | | | | |
| 6 | 12.7 | 9.0 | 7.3 | 104 | 1.6 | - |
| 7 | 12.7 | 9.0 | | | | |
| 8 | 12.7 | 9.0 | | | | |
| 9 | 12.7 | 9.0 | 7.3 | 104 | 1.7 | 45 |
| 10 | 12.7 | 9.0 | | | | |
| 11 | 12.7 | 9.0 | | | | |
| 12 | 12.7 | 9.0 | 7.3 | 104 | 1.6 | - |
| 13 | 12.7 | 9.0 | | | | |
| 14 | 12.7 | 9.0 | | | | |
| 15 | 12.7 | 9.0 | 7.3 | 104 | 1.7 | - |
| 16 | 12.7 | 9.0 | | | | |
| 17 | 12.7 | 9.0 | | | | |
| 18 | 12.7 | 9.0 | 7.3 | 104 | 1.7 | 46 |
| 19 | 12.7 | 9.0 | | | | |
| 20 | 12.7 | 9.0 | | | | |
| 21 | 12.7 | 9.0 | 7.3 | 104 | 1.5 | - |
| 22 | 12.7 | 9.0 | | | | |
| 23 | 12.7 | 9.0 | | | | |
| 24 | 12.7 | 9.0 | 7.3 | 104 | 1.9 | - |
| 25 | 12.6 | 9.0 | | | | |
| 26 | 12.4 | 9.1 | | | | |
| 27 | 12.3 | 9.1 | 7.3 | 104 | 1.9 | 44 |
| 28 | 12.3 | 9.1 | | | | |
| 29 | 12.2 | 9.2 | | | | |
| 30 | 12.2 | 9.2 | 7.3 | 103 | 2.2 | - |
| 31 | 12.1 | 9.2 | | | | |
| 32 | 12.0 | 9.3 | 7.3 | 102 | 2.6 | 42 |
| 32.5 | - | - | Bottom | | | |

Sta. A2L 044.3 227.3 Little Squaw Creek Inlet
January 25, 1984 @ 1230 Hrs. Secchi 4.0m
Depth(m) Temp.(°C) D.O. pH E.C. Turb. Alk.

| | | | | | | |
|-------|------|------|--------|----|-----|----|
| Surf. | 10.1 | 10.4 | 7.3 | 94 | 1.5 | 39 |
| 1 | 9.8 | 10.4 | | | | |
| 2 | 9.6 | 10.4 | | | | |
| 3 | 9.4 | 10.4 | 7.3 | 96 | 1.6 | - |
| 4 | 9.4 | 10.4 | | | | |
| 5 | 9.4 | 10.4 | | | | |
| 6 | 9.5 | 10.4 | 7.3 | 97 | 1.5 | - |
| 7 | 9.5 | 10.4 | | | | |
| 8 | 9.5 | 10.4 | | | | |
| 9 | 9.5 | 10.4 | 7.2 | 97 | 1.3 | 41 |
| 10 | 9.5 | 10.4 | | | | |
| 11 | 9.5 | 10.4 | | | | |
| 12 | 9.5 | 10.4 | 7.2 | 97 | 1.7 | - |
| 13 | 9.5 | 10.4 | | | | |
| 14 | 9.5 | 10.4 | | | | |
| 15 | 9.5 | 10.4 | 7.2 | 97 | 1.6 | - |
| 16 | 9.5 | 10.4 | | | | |
| 17 | 9.5 | 10.4 | | | | |
| 18 | 9.5 | 10.4 | 7.2 | 97 | 1.6 | 42 |
| 19 | 9.5 | 10.4 | | | | |
| 20 | 9.5 | 10.4 | | | | |
| 21 | 9.5 | 10.4 | 7.2 | 96 | 1.9 | - |
| 22 | 9.4 | 10.4 | | | | |
| 23 | 9.4 | 10.4 | | | | |
| 24 | 9.4 | 10.4 | 7.2 | 96 | 1.8 | - |
| 25 | 9.3 | 10.4 | | | | |
| 26 | 9.3 | 10.4 | | | | |
| 27 | 9.2 | 10.4 | 7.2 | 95 | 1.7 | 39 |
| 28 | 9.2 | 10.4 | | | | |
| 29 | 9.2 | 10.5 | | | | |
| 30 | 9.2 | 10.5 | 7.2 | 94 | 2.0 | - |
| 31 | 9.2 | 10.5 | 7.2 | 94 | 2.0 | 38 |
| 32 | 9.1 | 10.5 | | | | |
| 32.5 | - | - | Bottom | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 044.3 227.3 Little Squaw Creek Inlet

February 29, 1984 @ 1300 Hrs. Secchi -

Depth(m) Temp.(°C) D.O. pH E.C. Turb. Alk.

| | | | | | | |
|-------|-----|------|--------|----|-----|----|
| Surf. | 9.2 | 11.3 | 7.4 | 95 | 1.5 | 41 |
| 1 | 9.2 | 11.3 | | | | |
| 2 | 9.0 | 11.3 | | | | |
| 3 | 9.0 | 11.2 | 7.3 | 95 | 1.5 | 44 |
| 4 | 9.0 | 11.2 | | | | |
| 5 | 9.0 | 11.2 | | | | |
| 6 | 9.0 | 11.2 | 7.3 | 94 | 1.5 | - |
| 7 | 9.0 | 11.0 | | | | |
| 8 | 9.0 | 11.0 | | | | |
| 9 | 9.0 | 10.9 | 7.3 | 95 | 1.6 | - |
| 10 | 8.9 | 10.8 | | | | |
| 11 | 8.9 | 10.8 | | | | |
| 12 | 8.9 | 10.8 | 7.3 | 94 | 1.5 | 40 |
| 13 | 8.9 | 10.8 | | | | |
| 14 | 8.9 | 10.8 | | | | |
| 15 | 8.8 | 10.7 | 7.3 | 95 | 1.5 | - |
| 16 | 8.8 | 10.7 | | | | |
| 17 | 8.8 | 10.7 | | | | |
| 18 | 8.8 | 10.7 | 7.3 | 95 | 1.7 | - |
| 19 | 8.8 | 10.7 | | | | |
| 20 | 8.8 | 10.7 | | | | |
| 21 | 8.8 | 10.7 | 7.3 | 95 | 1.7 | 40 |
| 22 | 8.8 | 10.7 | | | | |
| 23 | 8.8 | 10.7 | | | | |
| 24 | 8.8 | 10.7 | 7.3 | 95 | 1.6 | - |
| 25 | 8.8 | 10.7 | | | | |
| 26 | 8.8 | 10.8 | | | | |
| 27 | 8.8 | 10.8 | 7.3 | 95 | 1.8 | 39 |
| 28 | 8.7 | 10.8 | | | | |
| 29 | 8.7 | 10.8 | | | | |
| 30 | 8.7 | 10.8 | 7.2 | 91 | 3.6 | - |
| 31 | 8.6 | 10.8 | | | | |
| 32 | 8.6 | 10.9 | | | | |
| 33 | 8.5 | 10.8 | | | | |
| 34 | 8.3 | 10.8 | | | | |
| 35 | 8.0 | 10.5 | 7.2 | 96 | 3.2 | 39 |
| 36 | 7.8 | 10.5 | | | | |
| 37 | 7.8 | 10.4 | | | | |
| 37.5 | - | - | Bottom | | | |

Sta. A2L 044.3 227.3 Little Squaw Creek Inlet

April 4, 1984 @ 1200 Hrs. Secchi 3.9m

Depth(m) Temp.(°C) D.O. pH E.C. Turb. Alk.

| | | | | | | |
|-------|------|------|--------|----|-----|----|
| Surf. | 13.2 | 10.9 | 7.8 | 98 | 1.5 | 41 |
| 1 | 13.0 | 10.9 | | | | |
| 2 | 12.8 | 10.9 | | | | |
| 3 | 12.5 | 10.9 | 7.8 | 99 | 1.5 | - |
| 4 | 12.3 | 11.0 | | | | |
| 5 | 12.0 | 11.0 | | | | |
| 6 | 12.0 | 11.0 | 7.8 | 99 | 1.5 | - |
| 7 | 11.8 | 11.0 | | | | |
| 8 | 11.7 | 11.0 | | | | |
| 9 | 11.6 | 11.0 | 7.7 | 98 | 1.5 | 41 |
| 10 | 11.5 | 11.0 | | | | |
| 11 | 11.4 | 10.9 | | | | |
| 12 | 11.3 | 10.9 | 7.7 | 98 | 1.5 | - |
| 13 | 11.3 | 10.9 | | | | |
| 14 | 11.2 | 10.8 | | | | |
| 15 | 11.2 | 10.8 | 7.4 | 94 | 2.9 | 32 |
| 16 | 11.1 | 10.8 | | | | |
| 17 | 10.9 | 10.7 | | | | |
| 18 | 10.5 | 10.7 | 7.0 | 88 | 5.2 | 19 |
| 19 | 9.6 | 10.6 | | | | |
| 20 | 9.2 | 10.6 | | | | |
| 21 | 9.0 | 10.6 | 7.3 | 96 | 1.6 | 38 |
| 22 | 8.9 | 10.6 | | | | |
| 23 | 8.9 | 10.6 | | | | |
| 24 | 8.8 | 10.6 | 7.3 | 97 | 1.5 | 38 |
| 25 | 8.8 | 10.6 | | | | |
| 26 | 8.8 | 10.6 | | | | |
| 27 | 8.8 | 10.6 | 7.3 | 97 | 1.4 | - |
| 28 | 8.7 | 10.6 | | | | |
| 29 | 8.7 | 10.6 | | | | |
| 30 | 8.7 | 10.6 | 7.3 | 98 | 1.5 | - |
| 31 | 8.7 | 10.6 | | | | |
| 32 | 8.6 | 10.5 | | | | |
| 33 | 8.6 | 10.5 | | | | |
| 34 | 8.6 | 10.5 | | | | |
| 35 | 8.5 | 10.5 | 7.3 | 99 | 2.1 | 40 |
| 36 | 8.4 | 10.4 | | | | |
| 37 | 8.4 | 10.4 | Bottom | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 044.3 227.3 Little Squaw Creek Inlet
May 9, 1984 @ 1100 Hrs. Secchi 5.7m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|--------|------|-------|------|
| Surf. | 15.0 | 10.0 | 7.5 | 97 | 1.4 | 40 |
| 1 | 15.0 | 9.9 | | | | |
| 2 | 15.0 | 9.9 | | | | |
| 3 | 15.0 | 9.9 | 7.5 | 98 | 1.5 | - |
| 4 | 14.5 | 10.0 | | | | |
| 5 | 14.2 | 9.9 | | | | |
| 6 | 14.0 | 9.9 | 7.4 | 98 | 1.4 | - |
| 7 | 13.9 | 9.9 | | | | |
| 8 | 13.8 | 9.8 | | | | |
| 9 | 13.7 | 9.8 | 7.3 | 98 | 1.5 | 41 |
| 10 | 13.7 | 9.8 | | | | |
| 11 | 13.6 | 9.7 | | | | |
| 12 | 13.4 | 9.7 | 7.3 | 98 | 1.7 | - |
| 13 | 12.8 | 9.7 | | | | |
| 14 | 12.4 | 9.6 | | | | |
| 15 | 12.2 | 9.6 | 7.2 | 98 | 1.7 | - |
| 16 | 11.9 | 9.6 | | | | |
| 17 | 11.8 | 9.6 | | | | |
| 18 | 11.6 | 9.6 | 7.2 | 100 | 2.0 | 36 |
| 19 | 11.5 | 9.6 | | | | |
| 20 | 11.2 | 9.6 | | | | |
| 21 | 11.1 | 9.6 | 7.2 | 100 | 2.0 | 37 |
| 22 | 10.7 | 9.6 | | | | |
| 23 | 10.2 | 9.6 | | | | |
| 24 | 9.8 | 9.6 | 7.2 | 101 | 2.4 | - |
| 25 | 9.6 | 9.6 | | | | |
| 26 | 9.4 | 9.6 | | | | |
| 27 | 9.3 | 9.6 | 7.2 | 101 | 2.0 | - |
| 28 | 9.2 | 9.6 | | | | |
| 29 | 9.2 | 9.6 | | | | |
| 30 | 9.1 | 9.7 | 7.2 | 100 | 1.7 | 40 |
| 31 | 9.0 | 9.7 | | | | |
| 32 | 9.0 | 9.7 | | | | |
| 33 | 9.0 | 9.7 | | | | |
| 34 | 9.0 | 9.7 | | | | |
| 35 | 8.9 | 9.7 | 7.2 | 100 | 1.5 | - |
| 36 | 8.9 | 9.7 | | | | |
| 37 | 8.9 | 9.6 | | | | |
| 38 | 8.9 | 9.6 | | | | |
| 39 | 8.9 | 9.6 | | | | |
| 40 | 8.9 | 9.6 | 7.2 | 101 | 1.5 | 40 |
| 41 | 8.8 | 9.6 | | | | |
| 42 | 8.8 | 9.6 | | | | |
| 42.5 | - | - | Bottom | | | |

Sta. A2L 044.3 227.3 Little Squaw Creek Inlet
June 8, 1984 @ 0815 Hrs. Secchi 5.0m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|--------|------|-------|------|
| Surf. | 18.5 | 9.0 | 7.3 | 100 | 1.0 | 40 |
| 1 | 18.3 | 9.0 | | | | |
| 2 | 18.3 | 9.1 | | | | |
| 3 | 18.3 | 9.1 | 7.3 | 98 | 1.0 | - |
| 4 | 18.2 | 9.1 | | | | |
| 5 | 18.2 | 9.1 | | | | |
| 6 | 18.2 | 9.1 | 7.3 | 98 | 1.0 | - |
| 7 | 18.2 | 9.1 | | | | |
| 8 | 18.2 | 9.1 | | | | |
| 9 | 18.0 | 9.1 | 7.3 | 98 | 1.0 | 41 |
| 10 | 18.0 | 9.1 | | | | |
| 11 | 18.0 | 9.1 | | | | |
| 12 | 18.0 | 9.1 | 7.3 | 98 | 1.0 | - |
| 13 | 17.5 | 9.1 | | | | |
| 14 | 17.0 | 9.2 | | | | |
| 15 | 16.2 | 9.2 | 7.3 | 97 | 1.5 | - |
| 16 | 15.2 | 9.4 | | | | |
| 17 | 14.3 | 9.5 | | | | |
| 18 | 13.7 | 9.4 | 7.2 | 98 | 1.1 | 42 |
| 19 | 13.3 | 9.4 | | | | |
| 20 | 13.1 | 9.4 | | | | |
| 21 | 12.6 | 9.3 | 7.2 | 99 | 1.0 | - |
| 22 | 12.4 | 9.3 | | | | |
| 23 | 12.2 | 9.3 | | | | |
| 24 | 12.1 | 9.2 | 7.2 | 100 | 1.0 | - |
| 25 | 11.9 | 9.1 | | | | |
| 26 | 11.6 | 9.1 | | | | |
| 27 | 11.4 | 9.1 | 7.2 | 101 | 1.0 | 42 |
| 28 | 11.1 | 9.1 | | | | |
| 29 | 10.9 | 9.1 | | | | |
| 30 | 10.8 | 9.2 | 7.2 | 102 | 1.2 | - |
| 31 | 10.7 | 9.2 | | | | |
| 32 | 10.5 | 9.2 | | | | |
| 33 | 10.3 | 9.2 | | | | |
| 34 | 10.2 | 9.2 | | | | |
| 35 | 10.0 | 9.2 | 7.2 | 102 | 1.2 | - |
| 36 | 9.9 | 9.2 | | | | |
| 37 | 9.8 | 9.3 | | | | |
| 38 | 9.7 | 9.3 | | | | |
| 39 | 9.5 | 9.3 | | | | |
| 40 | 9.3 | 9.3 | 7.2 | 100 | 1.2 | 42 |
| 41 | 9.2 | 9.3 | | | | |
| 42 | 9.2 | 9.2 | Bottom | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 044.3 227.3 Little Squaw Creek Inlet

July 12, 1984 @ 0800 Hrs. Secchi 4.4m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|--------|------|-------|------|
| Surf. | 26.0 | 7.6 | 7.6 | 103 | 1.0 | 45 |
| 1 | 25.9 | 7.6 | | | | |
| 2 | 25.9 | 7.6 | | | | |
| 3 | 25.9 | 7.6 | 7.5 | 103 | 0.9 | - |
| 4 | 25.7 | 7.7 | | | | |
| 5 | 25.7 | 7.7 | | | | |
| 6 | 25.6 | 7.7 | 7.5 | 102 | 0.6 | - |
| 7 | 25.4 | 7.7 | | | | |
| 8 | 25.2 | 7.6 | | | | |
| 9 | 24.7 | 7.5 | 7.1 | 105 | 1.1 | 36 |
| 10 | 23.1 | 7.8 | | | | |
| 11 | 21.6 | 8.0 | | | | |
| 12 | 20.7 | 8.1 | 7.3 | 101 | 1.0 | - |
| 13 | 19.5 | 8.2 | | | | |
| 14 | 18.3 | 8.0 | | | | |
| 15 | 18.0 | 8.0 | 7.3 | 102 | 1.1 | - |
| 16 | 17.2 | 8.0 | | | | |
| 17 | 16.6 | 7.8 | | | | |
| 18 | 16.1 | 7.8 | 7.2 | 106 | 1.3 | 47 |
| 19 | 15.7 | 7.9 | | | | |
| 20 | 15.4 | 8.1 | | | | |
| 21 | 15.2 | 8.1 | 7.2 | 107 | 1.0 | - |
| 22 | 15.0 | 8.1 | | | | |
| 23 | 14.8 | 8.1 | | | | |
| 24 | 14.4 | 8.3 | 7.2 | 105 | 0.8 | - |
| 25 | 14.1 | 8.4 | | | | |
| 26 | 13.8 | 8.2 | | | | |
| 27 | 13.5 | 8.2 | 7.2 | 103 | 0.8 | 46 |
| 28 | 13.1 | 8.3 | | | | |
| 29 | 12.9 | 8.2 | | | | |
| 30 | 12.4 | 8.3 | 7.2 | 101 | 0.9 | - |
| 31 | 12.2 | 8.3 | | | | |
| 32 | 11.6 | 8.4 | | | | |
| 33 | 11.3 | 8.5 | | | | |
| 34 | 11.1 | 8.6 | | | | |
| 35 | 11.0 | 8.7 | 7.2 | 104 | 1.4 | 47 |
| 36 | 10.9 | 8.7 | | | | |
| 37 | 10.8 | 8.7 | Bottom | | | |

Sta. A2L 044.3 227.3 Little Squaw Creek Inlet

August 15, 1984 @ 0830 Hrs. Secchi 6.3m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|--------|------|-------|------|
| Surf. | 25.3 | 7.7 | 7.5 | 110 | 1.5 | 44 |
| 1 | 25.2 | 7.7 | | | | |
| 2 | 25.2 | 7.6 | | | | |
| 3 | 25.2 | 7.5 | 7.4 | 107 | 1.3 | - |
| 4 | 25.2 | 7.0 | | | | |
| 5 | 25.2 | 6.6 | | | | |
| 6 | 25.2 | 6.1 | 7.3 | 107 | 1.1 | - |
| 7 | 25.2 | 5.7 | | | | |
| 8 | 25.2 | 5.6 | | | | |
| 9 | 25.0 | 4.8 | 7.3 | 107 | 1.1 | 44 |
| 10 | 24.2 | 4.4 | | | | |
| 11 | 21.7 | 4.2 | | | | |
| 12 | 20.6 | 4.0 | 7.2 | 107 | 1.2 | - |
| 13 | 20.0 | 3.8 | | | | |
| 14 | 19.6 | 3.6 | | | | |
| 15 | 19.2 | 3.5 | 7.2 | 108 | 1.5 | - |
| 16 | 18.8 | 3.3 | | | | |
| 17 | 18.6 | 3.3 | | | | |
| 18 | 18.2 | 3.2 | 7.1 | 108 | 1.5 | 46 |
| 19 | 17.9 | 3.1 | | | | |
| 20 | 17.7 | 3.0 | | | | |
| 21 | 17.1 | 3.1 | 7.1 | 108 | 1.5 | - |
| 22 | 16.8 | 3.1 | | | | |
| 23 | 16.7 | 3.1 | | | | |
| 24 | 16.3 | 3.0 | 7.0 | 109 | 1.6 | 46 |
| 25 | 16.1 | 3.0 | | | | |
| 26 | 15.8 | 2.8 | | | | |
| 27 | 15.5 | 2.8 | 7.0 | 111 | 1.9 | - |
| 28 | 15.2 | 2.9 | | | | |
| 29 | 15.0 | 3.0 | | | | |
| 30 | 14.6 | 3.1 | 7.0 | 111 | 1.5 | 47 |
| 31 | 14.3 | 3.1 | | | | |
| 31.5 | 14.0 | 3.1 | Bottom | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 044.3 227.3 Little Squaw Creek Inlet
September 10, 1984 @ 0900 Hrs. Secchi 5.1m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|--------|------|-------|------|
| Surf. | 23.5 | 7.8 | 7.6 | 115 | 0.6 | 48 |
| 1 | 23.5 | 7.8 | | | | |
| 2 | 23.4 | 7.7 | | | | |
| 3 | 23.4 | 7.6 | 7.5 | 115 | 0.9 | - |
| 4 | 23.4 | 7.5 | | | | |
| 5 | 23.3 | 7.4 | | | | |
| 6 | 23.2 | 7.4 | 7.5 | 115 | 0.9 | - |
| 7 | 23.1 | 7.3 | | | | |
| 8 | 23.1 | 7.3 | | | | |
| 9 | 23.0 | 7.2 | 7.4 | 115 | 0.9 | 47 |
| 10 | 23.0 | 7.2 | | | | |
| 11 | 23.0 | 7.1 | | | | |
| 12 | 22.0 | 6.4 | 7.2 | 117 | 1.5 | - |
| 13 | 21.4 | 6.2 | | | | |
| 14 | 19.9 | 5.7 | | | | |
| 15 | 19.3 | 5.7 | 7.2 | 118 | 0.8 | - |
| 16 | 19.1 | 5.6 | | | | |
| 17 | 19.0 | 5.4 | | | | |
| 18 | 18.8 | 5.1 | 7.1 | 117 | 0.9 | 50 |
| 19 | 18.5 | 5.1 | | | | |
| 20 | 18.1 | 4.9 | | | | |
| 21 | 17.9 | 5.0 | 7.1 | 118 | 2.8 | - |
| 22 | 17.7 | 5.1 | | | | |
| 23 | 17.5 | 4.9 | | | | |
| 24 | 17.2 | 5.3 | 7.1 | 117 | 1.0 | - |
| 25 | 17.1 | 5.1 | | | | |
| 26 | 17.1 | 5.0 | | | | |
| 27 | 17.0 | 5.2 | 7.0 | 116 | 2.3 | 50 |
| 28 | 16.9 | 4.8 | Bottom | | | |

Sta. A2L 044.3 227.3 Little Squaw Creek Inlet
October 18, 1984 @ 1100 Hrs. Secchi 5.7m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|--------|------|-------|------|
| Surf. | 17.8 | 8.3 | 7.3 | 126 | 1.4 | 51 |
| 1 | 17.8 | 8.3 | | | | |
| 2 | 17.8 | 8.3 | | | | |
| 3 | 17.8 | 8.3 | 7.3 | 124 | 1.1 | - |
| 4 | 17.8 | 8.3 | | | | |
| 5 | 17.8 | 8.2 | | | | |
| 6 | 17.8 | 8.2 | 7.3 | 124 | 0.9 | - |
| 7 | 17.8 | 8.2 | | | | |
| 8 | 17.8 | 8.2 | | | | |
| 9 | 17.8 | 8.2 | 7.3 | 125 | 0.8 | 52 |
| 10 | 17.8 | 8.2 | | | | |
| 11 | 17.8 | 8.2 | | | | |
| 12 | 17.8 | 8.2 | 7.3 | 125 | 0.6 | - |
| 13 | 17.8 | 8.2 | | | | |
| 14 | 17.8 | 8.1 | | | | |
| 15 | 17.8 | 8.1 | 7.3 | 125 | 0.8 | - |
| 16 | 17.8 | 8.1 | | | | |
| 17 | 17.8 | 8.1 | | | | |
| 18 | 17.8 | 8.1 | 7.3 | 125 | 1.0 | 54 |
| 19 | 17.7 | 8.1 | | | | |
| 20 | 17.6 | 8.1 | | | | |
| 21 | 17.6 | 8.1 | 7.3 | 124 | 0.8 | - |
| 22 | 17.5 | 8.1 | | | | |
| 23 | 17.5 | 8.1 | | | | |
| 24 | 17.5 | 8.1 | 7.3 | 125 | 1.1 | 50 |
| 24.7 | - | - | Bottom | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 044.9 212.1 Pit River Arm May 16, 1983 @ 1120 Hrs. Secchi 3.3m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|-----|--------|-------|------|
| Surf. | 15.4 | 10.0 | 7.5 | 90 | 2.8 | 40 | 66 | 7.3 | 10.2 | | | | |
| 1 | 15.3 | 10.0 | | | | | 67 | 7.3 | 10.2 | | | | |
| 2 | 15.3 | 10.0 | | | | | 68 | 7.3 | 10.2 | | | | |
| 3 | 15.2 | 10.0 | 7.4 | 90 | 3.1 | - | 69 | 7.3 | 10.2 | | | | |
| 4 | 15.1 | 10.0 | | | | | 70 | 7.3 | 10.2 | 7.2 | 104 | 6.2 | 48 |
| 5 | 14.7 | 10.0 | | | | | 71 | 7.2 | 10.2 | | | | |
| 6 | 12.2 | 9.9 | 7.4 | 91 | 3.3 | 39 | 72 | 7.2 | 10.2 | | | | |
| 7 | 12.0 | 10.0 | | | | | 73 | 7.2 | 10.1 | | | | |
| 8 | 11.8 | 10.0 | | | | | 74 | 7.2 | 10.1 | | | | |
| 9 | 11.6 | 9.9 | 7.4 | 91 | 3.3 | - | 75 | 7.2 | 10.0 | 7.2 | 107 | 6.7 | - |
| 10 | 11.5 | 9.9 | | | | | 76 | 7.2 | 10.0 | | | | |
| 11 | 11.1 | 10.0 | | | | | 77 | 7.2 | 10.0 | | | | |
| 12 | 10.8 | 10.0 | 7.4 | 111 | 3.5 | 50 | 78 | 7.2 | 10.0 | | | | |
| 13 | 10.5 | 10.2 | | | | | 79 | 7.2 | 10.0 | | | | |
| 14 | 10.5 | 10.3 | | | | | 80 | 7.2 | 9.9 | 7.2 | 104 | 7.4 | 48 |
| 15 | 10.3 | 10.3 | 7.4 | 113 | 3.5 | - | 81 | 7.2 | 9.9 | | | | |
| 16 | 10.1 | 10.3 | | | | | 82 | 7.2 | 9.9 | | | | |
| 17 | 9.9 | 10.2 | | | | | 83 | 7.2 | 9.8 | | | | |
| 18 | 9.9 | 10.2 | 7.4 | 116 | 3.5 | 54 | 84 | 7.2 | 9.7 | | | | |
| 19 | 9.8 | 10.2 | | | | | 85 | 7.2 | 9.5 | 7.1 | 106 | 8.8 | 48 |
| 20 | 9.7 | 10.2 | | | | | 86 | 7.1 | 9.4 | | | | |
| 21 | 9.7 | 10.2 | 7.4 | 114 | 3.5 | - | 87 | 7.1 | 9.1 | | | | |
| 22 | 9.7 | 10.2 | | | | | 87.3 | - | - | - | Bottom | | |
| 23 | 9.7 | 10.2 | | | | | | | | | | | |
| 24 | 9.4 | 10.2 | 7.4 | 116 | 3.2 | 55 | | | | | | | |
| 25 | 9.3 | 10.2 | | | | | | | | | | | |
| 26 | 9.3 | 10.2 | | | | | | | | | | | |
| 27 | 9.3 | 10.2 | 7.4 | 115 | 3.4 | - | | | | | | | |
| 28 | 9.1 | 10.2 | | | | | | | | | | | |
| 29 | 9.0 | 10.1 | | | | | | | | | | | |
| 30 | 8.8 | 10.1 | 7.4 | 114 | 3.2 | 55 | | | | | | | |
| 31 | 8.8 | 10.1 | | | | | | | | | | | |
| 32 | 8.5 | 10.1 | | | | | | | | | | | |
| 33 | 8.4 | 10.0 | | | | | | | | | | | |
| 34 | 8.2 | 10.0 | | | | | | | | | | | |
| 35 | 8.2 | 10.0 | 7.3 | 111 | 3.8 | - | | | | | | | |
| 36 | 8.1 | 10.0 | | | | | | | | | | | |
| 37 | 8.1 | 10.0 | | | | | | | | | | | |
| 38 | 8.1 | 10.0 | | | | | | | | | | | |
| 39 | 8.1 | 10.0 | | | | | | | | | | | |
| 40 | 8.1 | 10.0 | 7.2 | 110 | 3.7 | 51 | | | | | | | |
| 41 | 8.1 | 10.0 | | | | | | | | | | | |
| 42 | 8.0 | 10.0 | | | | | | | | | | | |
| 43 | 8.0 | 10.0 | | | | | | | | | | | |
| 44 | 8.0 | 10.0 | | | | | | | | | | | |
| 45 | 7.9 | 10.0 | 7.2 | 110 | 4.1 | - | | | | | | | |
| 46 | 7.9 | 10.0 | | | | | | | | | | | |
| 47 | 7.8 | 10.0 | | | | | | | | | | | |
| 48 | 7.8 | 10.0 | | | | | | | | | | | |
| 49 | 7.8 | 10.0 | | | | | | | | | | | |
| 50 | 7.7 | 10.0 | 7.2 | 110 | 4.5 | 49 | | | | | | | |
| 51 | 7.7 | 10.0 | | | | | | | | | | | |
| 52 | 7.6 | 10.0 | | | | | | | | | | | |
| 53 | 7.6 | 10.0 | | | | | | | | | | | |
| 54 | 7.6 | 10.1 | | | | | | | | | | | |
| 55 | 7.6 | 10.1 | 7.2 | 110 | 5.7 | - | | | | | | | |
| 56 | 7.6 | 10.1 | | | | | | | | | | | |
| 57 | 7.5 | 10.1 | | | | | | | | | | | |
| 58 | 7.5 | 10.2 | | | | | | | | | | | |
| 59 | 7.5 | 10.2 | | | | | | | | | | | |
| 60 | 7.4 | 10.2 | 7.2 | 109 | 6.2 | 50 | | | | | | | |
| 61 | 7.4 | 10.2 | | | | | | | | | | | |
| 62 | 7.3 | 10.2 | | | | | | | | | | | |
| 63 | 7.3 | 10.2 | | | | | | | | | | | |
| 64 | 7.3 | 10.2 | | | | | | | | | | | |
| 65 | 7.3 | 10.2 | 7.2 | 108 | 6.3 | - | | | | | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 044.9 212.1 Pit River Arm June 24, 1983 @ 1230 Hrs. Secchi 3.5m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| Surf. | 23.3 | 8.6 | 7.8 | 93 | 2.8 | 43 | 66 | 8.7 | 8.7 | | | | |
| 1 | 23.3 | 8.6 | | | | | 67 | 8.7 | 8.6 | | | | |
| 2 | 22.8 | 8.7 | | | | | 68 | 8.7 | 8.6 | | | | |
| 3 | 22.4 | 8.7 | 7.9 | 96 | 2.1 | 44 | 69 | 8.6 | 8.6 | | | | |
| 4 | 22.2 | 8.7 | | | | | 70 | 8.6 | 8.5 | 7.3 | 114 | 4.9 | 53 |
| 5 | 22.0 | 8.6 | | | | | 71 | 8.5 | 8.5 | | | | |
| 6 | 21.5 | 8.6 | 7.9 | 96 | 1.6 | - | 72 | 8.5 | 8.4 | | | | |
| 7 | 21.1 | 8.5 | | | | | 73 | 8.4 | 8.4 | | | | |
| 8 | 19.4 | 8.5 | | | | | 74 | 8.4 | 8.4 | | | | |
| 9 | 18.0 | 8.7 | 7.7 | 107 | 1.7 | 53 | 75 | 8.4 | 8.3 | 7.3 | 114 | 5.3 | - |
| 10 | 17.3 | 8.7 | | | | | 76 | 8.4 | 8.3 | | | | |
| 11 | 16.5 | 8.8 | | | | | 77 | 8.3 | 8.2 | | | | |
| 12 | 16.3 | 8.8 | 7.4 | 111 | 2.3 | 55 | 78 | 8.3 | 8.2 | | | | |
| 13 | 15.7 | 8.8 | | | | | 79 | 8.3 | 8.2 | | | | |
| 14 | 15.6 | 8.7 | | | | | 80 | 8.3 | 8.2 | 7.5 | 94 | 1.9 | 43 |
| 15 | 15.2 | 8.7 | 7.4 | 117 | 2.7 | - | 81 | 8.3 | 8.2 | | | | |
| 16 | 15.0 | 8.7 | | | | | 82 | 8.2 | 8.2 | | | | |
| 17 | 14.4 | 8.7 | | | | | 83 | 8.2 | 8.1 | | | | |
| 18 | 13.9 | 8.6 | 7.3 | 115 | 3.1 | - | 84 | 8.2 | 8.0 | | | | |
| 19 | 13.3 | 8.6 | | | | | 85 | 8.2 | 8.0 | 7.7 | 94 | 1.8 | - |
| 20 | 12.6 | 8.9 | | | | | 86 | 8.2 | 8.0 | | | | |
| 21 | 12.3 | 9.0 | 7.3 | 100 | 2.4 | 46 | 87 | 8.2 | 8.0 | | | | |
| 22 | 12.0 | 9.0 | | | | | 88 | 8.2 | 8.0 | | | | |
| 23 | 11.9 | 9.0 | | | | | 89 | 8.1 | 8.0 | | | | |
| 24 | 11.8 | 9.0 | 7.3 | 100 | 3.5 | - | 90 | 8.1 | 8.0 | 7.3 | 107 | 6.2 | 52 |
| 25 | 11.6 | 9.0 | | | | | 91 | 8.1 | 7.9 | Bottom | | | |
| 26 | 11.2 | 9.1 | | | | | | | | | | | |
| 27 | 11.1 | 9.1 | 7.3 | 107 | 3.0 | - | | | | | | | |
| 28 | 11.0 | 9.0 | | | | | | | | | | | |
| 29 | 10.9 | 9.0 | | | | | | | | | | | |
| 30 | 10.8 | 9.0 | 7.3 | 110 | 3.4 | 49 | | | | | | | |
| 31 | 10.6 | 9.1 | | | | | | | | | | | |
| 32 | 10.4 | 9.1 | | | | | | | | | | | |
| 33 | 10.4 | 9.1 | | | | | | | | | | | |
| 34 | 10.4 | 9.1 | | | | | | | | | | | |
| 35 | 10.4 | 9.1 | 7.3 | 112 | 3.1 | - | | | | | | | |
| 36 | 10.3 | 9.1 | | | | | | | | | | | |
| 37 | 10.1 | 9.1 | | | | | | | | | | | |
| 38 | 10.1 | 9.1 | | | | | | | | | | | |
| 39 | 10.0 | 9.1 | | | | | | | | | | | |
| 40 | 9.9 | 9.0 | 7.3 | 103 | 3.2 | 49 | | | | | | | |
| 41 | 9.7 | 9.0 | | | | | | | | | | | |
| 42 | 9.6 | 9.0 | | | | | | | | | | | |
| 43 | 9.6 | 9.1 | | | | | | | | | | | |
| 44 | 9.4 | 9.1 | | | | | | | | | | | |
| 45 | 9.4 | 9.1 | 7.3 | 109 | 3.2 | - | | | | | | | |
| 46 | 9.3 | 9.2 | | | | | | | | | | | |
| 47 | 9.3 | 9.1 | | | | | | | | | | | |
| 48 | 9.2 | 9.2 | | | | | | | | | | | |
| 49 | 9.2 | 9.2 | | | | | | | | | | | |
| 50 | 9.2 | 9.2 | 7.3 | 110 | 3.4 | 52 | | | | | | | |
| 51 | 9.2 | 9.2 | | | | | | | | | | | |
| 52 | 9.1 | 9.2 | | | | | | | | | | | |
| 53 | 9.1 | 9.2 | | | | | | | | | | | |
| 54 | 9.1 | 9.2 | | | | | | | | | | | |
| 55 | 9.0 | 9.2 | 7.3 | 104 | 2.7 | - | | | | | | | |
| 56 | 9.0 | 9.1 | | | | | | | | | | | |
| 57 | 8.9 | 9.1 | | | | | | | | | | | |
| 58 | 8.9 | 9.0 | | | | | | | | | | | |
| 59 | 8.9 | 9.0 | | | | | | | | | | | |
| 60 | 8.9 | 8.9 | 7.3 | 105 | 4.6 | 52 | | | | | | | |
| 61 | 8.8 | 8.9 | | | | | | | | | | | |
| 62 | 8.8 | 8.8 | | | | | | | | | | | |
| 63 | 8.8 | 8.7 | | | | | | | | | | | |
| 64 | 8.8 | 8.7 | | | | | | | | | | | |
| 65 | 8.7 | 8.7 | 7.3 | 112 | 4.5 | - | | | | | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 044.9 212.1 Pit River Arm July 26, 1983 @ 0830 Hrs. Secchi 2.9m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| Surf. | 23.9 | 8.7 | 8.0 | 98 | 1.9 | 46 | 66 | 9.6 | 7.0 | | | | |
| 1 | 23.8 | 8.7 | | | | | 67 | 9.5 | 6.9 | | | | |
| 2 | 23.8 | 8.6 | | | | | 68 | 9.3 | 7.0 | | | | |
| 3 | 23.5 | 8.7 | 8.0 | 99 | 1.3 | 46 | 69 | 9.3 | 7.0 | | | | |
| 4 | 23.2 | 8.3 | | | | | 70 | 9.2 | 7.1 | 7.0 | 113 | 5.2 | 55 |
| 5 | 23.0 | 8.1 | | | | | 71 | 9.2 | 7.2 | | | | |
| 6 | 22.9 | 8.3 | 7.9 | 101 | 2.0 | - | 72 | 9.2 | 7.1 | | | | |
| 7 | 22.5 | 7.7 | | | | | 73 | 9.2 | 7.0 | | | | |
| 8 | 22.0 | 7.3 | | | | | 74 | 9.1 | 7.0 | | | | |
| 9 | 19.7 | 7.1 | 7.4 | 105 | 1.6 | - | 75 | 9.1 | 7.1 | 7.0 | 115 | 5.2 | - |
| 10 | 18.4 | 7.6 | | | | | 76 | 9.1 | 6.8 | | | | |
| 11 | 17.8 | 7.9 | | | | | 77 | 9.1 | 6.7 | | | | |
| 12 | 17.2 | 8.0 | 7.5 | 118 | 1.7 | 57 | 78 | 9.0 | 6.6 | | | | |
| 13 | 16.8 | 8.0 | | | | | 79 | 9.0 | 6.6 | | | | |
| 14 | 16.7 | 7.9 | | | | | 80 | 9.0 | 6.5 | 6.9 | 114 | 5.6 | 54 |
| 15 | 16.3 | 8.1 | 7.5 | 118 | 1.7 | - | 81 | 9.0 | 6.5 | | | | |
| 16 | 16.2 | 7.9 | | | | | 82 | 9.0 | 6.4 | | | | |
| 17 | 16.1 | 7.9 | | | | | 83 | 9.0 | 6.4 | | | | |
| 18 | 16.0 | 7.6 | 7.5 | 117 | 2.1 | - | 83.2 | - | - | Bottom | | | |
| 19 | 15.7 | 7.3 | | | | | | | | | | | |
| 20 | 15.5 | 7.1 | | | | | | | | | | | |
| 21 | 14.9 | 7.2 | 7.3 | 112 | 2.1 | 54 | | | | | | | |
| 22 | 14.6 | 7.6 | | | | | | | | | | | |
| 23 | 14.1 | 7.6 | | | | | | | | | | | |
| 24 | 13.9 | 7.8 | 7.3 | 100 | 2.4 | - | | | | | | | |
| 25 | 13.8 | 7.9 | | | | | | | | | | | |
| 26 | 13.5 | 7.9 | | | | | | | | | | | |
| 27 | 13.2 | 7.9 | 7.3 | 96 | 2.6 | - | | | | | | | |
| 28 | 12.9 | 8.0 | | | | | | | | | | | |
| 29 | 12.7 | 8.1 | | | | | | | | | | | |
| 30 | 12.5 | 8.0 | 7.2 | 96 | 2.9 | 43 | | | | | | | |
| 31 | 12.3 | 8.1 | | | | | | | | | | | |
| 32 | 12.1 | 8.1 | | | | | | | | | | | |
| 33 | 12.0 | 8.0 | | | | | | | | | | | |
| 34 | 11.9 | 8.1 | | | | | | | | | | | |
| 35 | 11.7 | 8.0 | 7.2 | 103 | 3.2 | - | | | | | | | |
| 36 | 11.6 | 7.9 | | | | | | | | | | | |
| 37 | 11.4 | 8.0 | | | | | | | | | | | |
| 38 | 11.3 | 8.0 | | | | | | | | | | | |
| 39 | 11.2 | 7.9 | | | | | | | | | | | |
| 40 | 11.1 | 8.0 | 7.2 | 108 | 3.6 | 49 | | | | | | | |
| 41 | 11.0 | 8.1 | | | | | | | | | | | |
| 42 | 11.0 | 8.1 | | | | | | | | | | | |
| 43 | 11.0 | 7.9 | | | | | | | | | | | |
| 44 | 10.9 | 8.0 | | | | | | | | | | | |
| 45 | 10.8 | 8.0 | 7.2 | 110 | 3.4 | - | | | | | | | |
| 46 | 10.8 | 8.0 | | | | | | | | | | | |
| 47 | 10.7 | 8.1 | | | | | | | | | | | |
| 48 | 10.6 | 8.1 | | | | | | | | | | | |
| 49 | 10.4 | 8.1 | | | | | | | | | | | |
| 50 | 10.4 | 8.1 | 7.2 | 110 | 3.6 | 50 | | | | | | | |
| 51 | 10.3 | 8.0 | | | | | | | | | | | |
| 52 | 10.2 | 8.1 | | | | | | | | | | | |
| 53 | 10.2 | 8.1 | | | | | | | | | | | |
| 54 | 10.1 | 8.1 | | | | | | | | | | | |
| 55 | 10.0 | 8.0 | 7.1 | 110 | 4.0 | - | | | | | | | |
| 56 | 10.0 | 8.1 | | | | | | | | | | | |
| 57 | 9.9 | 7.9 | | | | | | | | | | | |
| 58 | 9.9 | 7.9 | | | | | | | | | | | |
| 59 | 9.9 | 7.8 | | | | | | | | | | | |
| 60 | 9.9 | 7.7 | 7.1 | 111 | 4.4 | 53 | | | | | | | |
| 61 | 9.8 | 7.6 | | | | | | | | | | | |
| 62 | 9.8 | 7.3 | | | | | | | | | | | |
| 63 | 9.8 | 7.3 | | | | | | | | | | | |
| 64 | 9.7 | 7.2 | | | | | | | | | | | |
| 65 | 9.6 | 6.9 | 7.1 | 114 | 4.8 | - | | | | | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 044.9 212.1 Pit River Arm August 23, 1983 @ 0815 Hrs. Secchi 2.8m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(+C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| Surf. | 24.7 | 8.1 | 8.5 | 97 | 1.7 | 43 | 66 | 9.8 | 5.0 | | | | |
| 1 | 24.6 | 8.1 | | | | | 67 | 9.7 | 5.0 | | | | |
| 2 | 24.6 | 7.9 | | | | | 68 | 9.6 | 4.9 | | | | |
| 3 | 24.5 | 7.9 | 8.5 | 99 | 1.7 | 43 | 69 | 9.6 | 4.7 | | | | |
| 4 | 24.5 | 7.9 | | | | | 70 | 9.5 | 4.7 | 7.1 | 116 | 5.9 | 54 |
| 5 | 24.5 | 7.8 | | | | | 71 | 9.5 | 4.7 | | | | |
| 6 | 24.5 | 7.8 | 8.5 | 99 | 1.7 | 43 | 72 | 9.2 | 4.7 | | | | |
| 7 | 24.5 | 7.7 | | | | | 73 | 9.2 | 4.6 | | | | |
| 8 | 23.1 | 4.9 | | | | | 74 | 9.2 | 4.5 | | | | |
| 9 | 21.7 | 4.3 | 7.2 | 107 | 1.0 | 46 | 74.2 | - | - | Bottom | | | |
| 10 | 20.0 | 5.9 | | | | | | | | | | | |
| 11 | 18.4 | 7.6 | | | | | | | | | | | |
| 12 | 17.8 | 7.6 | 7.6 | 121 | 1.3 | 57 | | | | | | | |
| 13 | 17.4 | 7.6 | | | | | | | | | | | |
| 14 | 17.4 | 7.8 | | | | | | | | | | | |
| 15 | 17.2 | 7.8 | 7.7 | 124 | 1.3 | 59 | | | | | | | |
| 16 | 17.2 | 7.7 | | | | | | | | | | | |
| 17 | 17.0 | 7.4 | | | | | | | | | | | |
| 18 | 16.8 | 7.0 | 7.5 | 122 | 1.6 | 58 | | | | | | | |
| 19 | 16.4 | 6.9 | | | | | | | | | | | |
| 20 | 16.1 | 6.8 | | | | | | | | | | | |
| 21 | 15.8 | 6.2 | 7.3 | 117 | 1.5 | 55 | | | | | | | |
| 22 | 15.8 | 6.1 | | | | | | | | | | | |
| 23 | 15.4 | 6.2 | | | | | | | | | | | |
| 24 | 15.2 | 6.3 | 7.3 | 113 | 1.6 | 53 | | | | | | | |
| 25 | 15.1 | 6.3 | | | | | | | | | | | |
| 26 | 14.8 | 6.5 | | | | | | | | | | | |
| 27 | 14.8 | 6.5 | 7.3 | 107 | 1.8 | 48 | | | | | | | |
| 28 | 14.6 | 6.6 | | | | | | | | | | | |
| 29 | 14.1 | 6.6 | | | | | | | | | | | |
| 30 | 13.9 | 6.6 | 7.2 | 102 | 2.0 | 46 | | | | | | | |
| 31 | 13.8 | 6.7 | | | | | | | | | | | |
| 32 | 13.2 | 6.8 | | | | | | | | | | | |
| 33 | 13.2 | 6.9 | | | | | | | | | | | |
| 34 | 13.2 | 6.9 | | | | | | | | | | | |
| 35 | 12.8 | 7.1 | 7.2 | 97 | 2.8 | 43 | | | | | | | |
| 36 | 12.6 | 7.1 | | | | | | | | | | | |
| 37 | 12.4 | 7.1 | | | | | | | | | | | |
| 38 | 12.0 | 7.2 | | | | | | | | | | | |
| 39 | 12.0 | 7.2 | | | | | | | | | | | |
| 40 | 11.9 | 7.2 | 7.2 | 102 | 3.2 | 45 | | | | | | | |
| 41 | 11.7 | 7.2 | | | | | | | | | | | |
| 42 | 11.5 | 7.1 | | | | | | | | | | | |
| 43 | 11.5 | 7.1 | | | | | | | | | | | |
| 44 | 11.2 | 7.1 | | | | | | | | | | | |
| 45 | 11.2 | 7.1 | 7.2 | 106 | 3.5 | 47 | | | | | | | |
| 46 | 11.1 | 7.1 | | | | | | | | | | | |
| 47 | 11.1 | 7.1 | | | | | | | | | | | |
| 48 | 11.0 | 7.1 | | | | | | | | | | | |
| 49 | 10.9 | 7.1 | | | | | | | | | | | |
| 50 | 10.9 | 7.1 | 7.2 | 109 | 5.7 | 49 | | | | | | | |
| 51 | 10.9 | 7.1 | | | | | | | | | | | |
| 52 | 10.8 | 7.1 | | | | | | | | | | | |
| 53 | 10.8 | 7.0 | | | | | | | | | | | |
| 54 | 10.6 | 6.9 | | | | | | | | | | | |
| 55 | 10.5 | 6.9 | 7.2 | 111 | 4.1 | 50 | | | | | | | |
| 56 | 10.3 | 6.8 | | | | | | | | | | | |
| 57 | 10.2 | 6.7 | | | | | | | | | | | |
| 58 | 10.1 | 6.4 | | | | | | | | | | | |
| 59 | 10.0 | 6.3 | | | | | | | | | | | |
| 60 | 10.0 | 6.1 | 7.1 | 114 | 4.3 | 53 | | | | | | | |
| 61 | 10.0 | 5.9 | | | | | | | | | | | |
| 62 | 10.0 | 5.7 | | | | | | | | | | | |
| 63 | 9.9 | 5.6 | | | | | | | | | | | |
| 64 | 9.9 | 5.4 | | | | | | | | | | | |
| 65 | 9.8 | 5.0 | 7.1 | 115 | 5.0 | 54 | | | | | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 044.9 212.1 Pit River Arm September 29, 1983 @ 1130 Hrs. Secchi 4.7m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|-----|------|-------|------|
| Surf. | 20.8 | 8.2 | 7.7 | 109 | 0.6 | 46 | 66 | 12.2 | 6.0 | | | | |
| 1 | 20.8 | 8.2 | | | | | 67 | 12.2 | 6.0 | | | | |
| 2 | 20.8 | 8.2 | | | | | 68 | 12.2 | 6.1 | | | | |
| 3 | 20.8 | 8.2 | 7.7 | 109 | 0.6 | - | 69 | 12.2 | 6.1 | | | | |
| 4 | 20.8 | 8.1 | | | | | 70 | 12.2 | 6.1 | 6.8 | 122 | 7.1 | 55 |
| 5 | 20.8 | 8.0 | | | | | 71 | - | - | | | | |
| 6 | 20.8 | 8.0 | 7.6 | 109 | 0.9 | - | 71.2 | - | - | | | | |
| 7 | 20.8 | 8.0 | | | | | | | | | | | |
| 8 | 20.8 | 7.9 | | | | | | | | | | | |
| 9 | 20.8 | 7.8 | 7.5 | 110 | 0.6 | 46 | | | | | | | |
| 10 | 20.8 | 7.8 | | | | | | | | | | | |
| 11 | 20.8 | 7.5 | | | | | | | | | | | |
| 12 | 20.5 | 6.9 | 7.3 | 112 | 0.5 | - | | | | | | | |
| 13 | 20.2 | 6.4 | | | | | | | | | | | |
| 14 | 19.2 | 5.8 | | | | | | | | | | | |
| 15 | 18.5 | 5.5 | 7.2 | 124 | 0.8 | - | | | | | | | |
| 16 | 17.9 | 5.6 | | | | | | | | | | | |
| 17 | 17.2 | 6.2 | | | | | | | | | | | |
| 18 | 17.1 | 6.4 | 7.3 | 128 | 0.5 | 57 | | | | | | | |
| 19 | 16.8 | 6.8 | | | | | | | | | | | |
| 20 | 16.8 | 6.9 | | | | | | | | | | | |
| 21 | 16.5 | 7.3 | 7.4 | 129 | 0.7 | - | | | | | | | |
| 22 | 16.3 | 7.4 | | | | | | | | | | | |
| 23 | 16.2 | 7.5 | | | | | | | | | | | |
| 24 | 16.0 | 7.7 | 7.4 | 128 | 0.8 | - | | | | | | | |
| 25 | 15.9 | 7.8 | | | | | | | | | | | |
| 26 | 15.8 | 7.9 | | | | | | | | | | | |
| 27 | 15.7 | 8.0 | 7.5 | 128 | 0.9 | 59 | | | | | | | |
| 28 | 15.6 | 8.0 | | | | | | | | | | | |
| 29 | 15.5 | 8.2 | | | | | | | | | | | |
| 30 | 15.2 | 8.3 | 7.5 | 128 | 1.1 | - | | | | | | | |
| 31 | 15.2 | 8.3 | | | | | | | | | | | |
| 32 | 15.0 | 8.3 | | | | | | | | | | | |
| 33 | 15.0 | 8.3 | | | | | | | | | | | |
| 34 | 15.0 | 8.3 | | | | | | | | | | | |
| 35 | 15.0 | 8.2 | 7.4 | 128 | 1.6 | - | | | | | | | |
| 36 | 15.0 | 8.3 | | | | | | | | | | | |
| 37 | 14.9 | 8.3 | | | | | | | | | | | |
| 38 | 14.9 | 8.3 | | | | | | | | | | | |
| 39 | 14.8 | 7.9 | | | | | | | | | | | |
| 40 | 14.7 | 7.8 | 7.3 | 127 | 2.4 | 57 | | | | | | | |
| 41 | 14.6 | 7.8 | | | | | | | | | | | |
| 42 | 14.6 | 7.7 | | | | | | | | | | | |
| 43 | 14.3 | 6.9 | | | | | | | | | | | |
| 44 | 13.4 | 6.2 | | | | | | | | | | | |
| 45 | 13.2 | 6.2 | 7.1 | 106 | 3.7 | - | | | | | | | |
| 46 | 13.0 | 6.3 | | | | | | | | | | | |
| 47 | 12.9 | 6.4 | | | | | | | | | | | |
| 48 | 12.8 | 6.5 | | | | | | | | | | | |
| 49 | 12.5 | 6.5 | | | | | | | | | | | |
| 50 | 12.5 | 6.4 | 7.0 | 105 | 6.0 | - | | | | | | | |
| 51 | 12.3 | 6.4 | | | | | | | | | | | |
| 52 | 12.3 | 6.3 | | | | | | | | | | | |
| 53 | 12.2 | 6.2 | | | | | | | | | | | |
| 54 | 12.3 | 6.3 | | | | | | | | | | | |
| 55 | 12.3 | 6.2 | 6.9 | 111 | 5.8 | 47 | | | | | | | |
| 56 | 12.3 | 6.2 | | | | | | | | | | | |
| 57 | 12.2 | 6.2 | | | | | | | | | | | |
| 58 | 12.2 | 6.2 | | | | | | | | | | | |
| 59 | 12.2 | 6.1 | | | | | | | | | | | |
| 60 | 12.2 | 6.1 | 6.8 | 115 | 5.0 | - | | | | | | | |
| 61 | 12.2 | 6.2 | | | | | | | | | | | |
| 62 | 12.2 | 6.2 | | | | | | | | | | | |
| 63 | 12.2 | 6.0 | | | | | | | | | | | |
| 64 | 12.2 | 6.0 | | | | | | | | | | | |
| 65 | 12.2 | 6.0 | 6.8 | 119 | 8.9 | - | | | | | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 044.9 212.1 Pit River Arm November 4, 1983 @ 0915 Hrs. Secchi 4.7m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|-----|--------|-------|------|
| Surf. | 17.5 | 8.3 | 7.4 | 114 | 0.7 | 53 | 66 | 13.6 | - | | | | |
| 1 | 17.5 | 8.3 | | | | | 67 | 13.6 | - | | | | |
| 2 | 17.5 | 8.3 | | | | | 68 | 13.6 | - | | | | |
| 3 | 17.5 | 8.3 | 7.4 | 109 | 0.5 | - | 69 | 13.6 | - | | | | |
| 4 | 17.5 | 8.3 | | | | | 70 | 13.6 | 9.7 | 7.3 | 124 | 2.9 | - |
| 5 | 17.5 | 8.3 | | | | | 71 | 13.6 | - | | | | |
| 6 | 17.5 | 8.2 | 7.4 | 108 | 0.6 | - | 72 | 13.6 | - | | | | |
| 7 | 17.5 | 8.2 | | | | | 73 | 13.6 | - | | | | |
| 8 | 17.5 | 8.2 | | | | | 74 | 13.6 | - | | | | |
| 9 | 17.5 | 8.2 | 7.3 | 109 | 0.9 | 50 | 75 | 13.6 | 9.8 | 7.3 | 124 | 6.7 | 61 |
| 10 | 17.5 | 8.2 | | | | | 76 | 13.6 | - | | | | |
| 11 | 17.5 | 8.2 | | | | | 77 | 13.6 | - | | | | |
| 12 | 17.5 | 8.2 | 7.3 | 109 | 0.7 | - | 77.3 | - | - | | Bottom | | |
| 13 | 17.5 | 8.1 | | | | | | | | | | | |
| 14 | 17.4 | 8.0 | | | | | | | | | | | |
| 15 | 17.3 | 6.9 | 7.2 | 112 | 0.9 | - | | | | | | | |
| 16 | 17.3 | 6.6 | | | | | | | | | | | |
| 17 | 16.9 | 5.3 | | | | | | | | | | | |
| 18 | 16.8 | 5.6 | 7.0 | 121 | 0.7 | 59 | | | | | | | |
| 19 | 16.6 | 5.7 | | | | | | | | | | | |
| 20 | 16.6 | 5.9 | | | | | | | | | | | |
| 21 | 16.4 | 6.0 | 7.1 | 123 | 0.7 | - | | | | | | | |
| 22 | 16.3 | 6.3 | | | | | | | | | | | |
| 23 | 16.3 | 6.3 | | | | | | | | | | | |
| 24 | 16.2 | 6.4 | 7.1 | 121 | 0.6 | - | | | | | | | |
| 25 | 16.2 | 6.4 | | | | | | | | | | | |
| 26 | 16.0 | 6.4 | | | | | | | | | | | |
| 27 | 15.9 | 6.6 | 7.1 | 122 | 0.6 | 59 | | | | | | | |
| 28 | 15.8 | 6.6 | | | | | | | | | | | |
| 29 | 15.7 | 6.7 | | | | | | | | | | | |
| 30 | 15.7 | 6.7 | 7.1 | 120 | 0.6 | - | | | | | | | |
| 31 | 15.5 | 6.9 | | | | | | | | | | | |
| 32 | 15.4 | 7.1 | | | | | | | | | | | |
| 33 | 15.4 | 7.1 | | | | | | | | | | | |
| 34 | 15.4 | 7.2 | | | | | | | | | | | |
| 35 | 15.2 | 7.4 | 7.2 | 115 | 0.7 | - | | | | | | | |
| 36 | 15.2 | 7.4 | | | | | | | | | | | |
| 37 | 15.1 | 7.4 | | | | | | | | | | | |
| 38 | 15.0 | 7.6 | | | | | | | | | | | |
| 39 | 14.9 | 7.6 | | | | | | | | | | | |
| 40 | 14.8 | 7.7 | 7.2 | 124 | 0.9 | 60 | | | | | | | |
| 41 | 14.7 | 7.9 | | | | | | | | | | | |
| 42 | 14.5 | 8.2 | | | | | | | | | | | |
| 43 | 14.4 | 8.3 | | | | | | | | | | | |
| 44 | 14.4 | 8.8 | | | | | | | | | | | |
| 45 | 14.2 | 9.1 | 7.3 | 115 | 0.8 | - | | | | | | | |
| 46 | 13.9 | 9.3 | | | | | | | | | | | |
| 47 | 13.8 | 9.4 | | | | | | | | | | | |
| 48 | 13.7 | 9.4 | | | | | | | | | | | |
| 49 | 13.7 | 9.4 | | | | | | | | | | | |
| 50 | 13.7 | 9.5 | 7.3 | 124 | 3.0 | - | | | | | | | |
| 51 | 13.8 | - | | | | | | | | | | | |
| 52 | 13.8 | - | | | | | | | | | | | |
| 53 | 13.8 | - | | | | | | | | | | | |
| 54 | 13.8 | - | | | | | | | | | | | |
| 55 | 13.8 | 9.5 | 7.3 | 124 | 3.0 | 60 | | | | | | | |
| 56 | 13.7 | - | | | | | | | | | | | |
| 57 | 13.7 | - | | | | | | | | | | | |
| 58 | 13.7 | - | | | | | | | | | | | |
| 59 | 13.7 | - | | | | | | | | | | | |
| 60 | 13.7 | 9.6 | 7.3 | 123 | 3.3 | - | | | | | | | |
| 61 | 13.7 | - | | | | | | | | | | | |
| 62 | 13.7 | - | | | | | | | | | | | |
| 63 | 13.7 | - | | | | | | | | | | | |
| 64 | 13.6 | - | | | | | | | | | | | |
| 65 | 13.6 | 9.6 | 7.3 | 125 | 3.2 | 61 | | | | | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 044.9 212.1 Pit River Arm December 19, 1983 @ 1230 Hrs. Secchi 5.3m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|-----|--------|-------|------|
| Surf. | 12.0 | 9.5 | 7.3 | 112 | 1.4 | 51 | 66 | 8.3 | - | | | | |
| 1 | 12.0 | 9.5 | | | | | 67 | 8.3 | - | | | | |
| 2 | 12.0 | 9.5 | | | | | 68 | 8.3 | - | | | | |
| 3 | 12.0 | 9.5 | 7.3 | 113 | 1.3 | - | 69 | 8.3 | - | | | | |
| 4 | 12.0 | 9.4 | | | | | 70 | 8.3 | 11.5 | 7.3 | 119 | 9.7 | - |
| 5 | 12.0 | 9.4 | | | | | 71 | 8.3 | - | | | | |
| 6 | 12.0 | 9.4 | 7.3 | 113 | 1.1 | - | 72 | 8.3 | - | | | | |
| 7 | 12.0 | 9.4 | | | | | 73 | 8.3 | - | | | | |
| 8 | 12.0 | 9.4 | | | | | 74 | 8.3 | 11.6 | 7.3 | 119 | 9.7 | 53 |
| 9 | 12.1 | 9.4 | 7.3 | 113 | 1.1 | 51 | 75 | 8.3 | - | | | | |
| 10 | 12.1 | 9.4 | | | | | 76 | 8.3 | - | | | | |
| 11 | 12.1 | 9.4 | | | | | 76.3 | - | - | | Bottom | | |
| 12 | 12.1 | 9.4 | 7.3 | 113 | 1.0 | - | | | | | | | |
| 13 | 12.1 | 9.4 | | | | | | | | | | | |
| 14 | 12.0 | 9.4 | | | | | | | | | | | |
| 15 | 12.1 | 9.4 | 7.3 | 113 | 1.4 | - | | | | | | | |
| 16 | 12.1 | 9.4 | | | | | | | | | | | |
| 17 | 12.1 | 9.4 | | | | | | | | | | | |
| 18 | 12.1 | 9.4 | 7.3 | 113 | 1.3 | 52 | | | | | | | |
| 19 | 12.1 | 9.4 | | | | | | | | | | | |
| 20 | 12.1 | 9.4 | | | | | | | | | | | |
| 21 | 12.1 | 9.4 | 7.3 | 113 | 1.4 | - | | | | | | | |
| 22 | 12.1 | 9.4 | | | | | | | | | | | |
| 23 | 12.1 | 9.4 | | | | | | | | | | | |
| 24 | 12.1 | 9.4 | 7.3 | 113 | 1.2 | - | | | | | | | |
| 25 | 12.1 | 9.4 | | | | | | | | | | | |
| 26 | 12.1 | 9.4 | | | | | | | | | | | |
| 27 | 12.1 | 9.4 | 7.3 | 113 | 1.2 | 53 | | | | | | | |
| 28 | 12.1 | 9.4 | | | | | | | | | | | |
| 29 | 12.1 | 9.4 | | | | | | | | | | | |
| 30 | 12.1 | 9.4 | 7.3 | 113 | 1.8 | - | | | | | | | |
| 31 | 12.0 | 9.4 | | | | | | | | | | | |
| 32 | 12.0 | 9.4 | | | | | | | | | | | |
| 33 | 12.0 | 9.4 | | | | | | | | | | | |
| 34 | 12.0 | 9.4 | | | | | | | | | | | |
| 35 | 11.9 | 9.5 | 7.3 | 113 | 1.6 | - | | | | | | | |
| 36 | 11.2 | 9.9 | | | | | | | | | | | |
| 37 | 10.5 | 10.2 | | | | | | | | | | | |
| 38 | 9.7 | 10.2 | | | | | | | | | | | |
| 39 | 9.2 | 10.9 | | | | | | | | | | | |
| 40 | 9.0 | 11.1 | 7.3 | 118 | 7.0 | 54 | | | | | | | |
| 41 | 8.9 | 11.1 | | | | | | | | | | | |
| 42 | 8.4 | 11.3 | | | | | | | | | | | |
| 43 | 8.3 | 11.4 | | | | | | | | | | | |
| 44 | 8.4 | 11.4 | | | | | | | | | | | |
| 45 | 8.3 | 11.4 | 7.3 | 120 | 9.1 | - | | | | | | | |
| 46 | 8.3 | 11.4 | | | | | | | | | | | |
| 47 | 8.3 | 11.4 | | | | | | | | | | | |
| 48 | 8.3 | 11.4 | | | | | | | | | | | |
| 49 | 8.2 | 11.4 | | | | | | | | | | | |
| 50 | 8.2 | 11.4 | 7.3 | 120 | 8.7 | - | | | | | | | |
| 51 | 8.4 | - | | | | | | | | | | | |
| 52 | 8.4 | - | | | | | | | | | | | |
| 53 | 8.4 | - | | | | | | | | | | | |
| 54 | 8.3 | - | | | | | | | | | | | |
| 55 | 8.3 | 11.7 | 7.3 | 119 | 8.5 | 55 | | | | | | | |
| 56 | 8.3 | - | | | | | | | | | | | |
| 57 | 8.3 | - | | | | | | | | | | | |
| 58 | 8.3 | - | | | | | | | | | | | |
| 59 | 8.3 | - | | | | | | | | | | | |
| 60 | 8.3 | 11.6 | 7.3 | 119 | 9.5 | - | | | | | | | |
| 61 | 8.3 | - | | | | | | | | | | | |
| 62 | 8.3 | - | | | | | | | | | | | |
| 63 | 8.3 | - | | | | | | | | | | | |
| 64 | 8.3 | - | | | | | | | | | | | |
| 65 | 8.3 | 11.5 | 7.3 | 119 | 9.6 | 54 | | | | | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 044.9 212.1 Pit River Arm January 23, 1984 @ 1000 Hrs. Secchi 4.5m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| Surf. | 9.6 | 10.5 | 7.3 | 100 | 1.3 | 47 | 66 | 6.3 | - | | | | |
| 1 | 9.5 | 10.5 | | | | | 67 | 6.4 | - | | | | |
| 2 | 9.5 | 10.5 | | | | | 68 | 6.4 | - | | | | |
| 3 | 9.5 | 10.6 | 7.3 | 100 | 1.4 | - | 69 | 6.4 | - | | | | |
| 4 | 9.5 | 10.6 | | | | | 70 | 6.4 | 11.9 | 7.3 | 118 | - | - |
| 5 | 9.4 | 10.5 | | | | | 71 | 6.4 | - | | | | |
| 6 | 9.4 | 10.5 | 7.3 | 101 | 1.2 | - | 72 | 6.4 | - | | | | |
| 7 | 9.4 | 10.5 | | | | | 73 | 6.4 | 12.1 | 7.3 | 116 | 6.8 | 60 |
| 8 | 9.4 | 10.5 | | | | | 74 | 6.4 | - | | | | |
| 9 | 9.4 | 10.5 | 7.3 | 102 | 1.1 | 47 | 75.5 | 6.5 | - | Bottom | | | |
| 10 | 9.4 | 10.5 | | | | | | | | | | | |
| 11 | 9.4 | 10.5 | | | | | | | | | | | |
| 12 | 9.4 | 10.5 | 7.3 | 102 | 1.2 | - | | | | | | | |
| 13 | 9.5 | 10.5 | | | | | | | | | | | |
| 14 | 9.5 | 10.5 | | | | | | | | | | | |
| 15 | 9.6 | 10.5 | 7.3 | 102 | 1.4 | - | | | | | | | |
| 16 | 9.6 | 10.5 | | | | | | | | | | | |
| 17 | 9.4 | 10.5 | | | | | | | | | | | |
| 18 | 9.4 | 10.5 | 7.3 | 102 | 1.1 | 47 | | | | | | | |
| 19 | 9.3 | 10.5 | | | | | | | | | | | |
| 20 | 9.3 | 10.5 | | | | | | | | | | | |
| 21 | 9.3 | 10.4 | 7.3 | 101 | 1.3 | - | | | | | | | |
| 22 | 9.3 | 10.4 | | | | | | | | | | | |
| 23 | 9.3 | 10.4 | | | | | | | | | | | |
| 24 | 9.3 | 10.4 | 7.3 | 103 | 1.1 | - | | | | | | | |
| 25 | 9.3 | 9.3 | | | | | | | | | | | |
| 26 | 9.3 | 9.3 | | | | | | | | | | | |
| 27 | 9.3 | 9.3 | 7.3 | 102 | 1.1 | 48 | | | | | | | |
| 28 | 9.3 | 9.3 | | | | | | | | | | | |
| 29 | 9.2 | 9.2 | | | | | | | | | | | |
| 30 | 9.2 | 10.4 | 7.3 | 103 | 1.2 | - | | | | | | | |
| 31 | 9.2 | 10.4 | | | | | | | | | | | |
| 32 | 9.2 | 10.4 | | | | | | | | | | | |
| 33 | 9.2 | 10.4 | | | | | | | | | | | |
| 34 | 9.2 | 10.4 | | | | | | | | | | | |
| 35 | 9.2 | 10.4 | 7.3 | 102 | 1.5 | - | | | | | | | |
| 36 | 9.2 | 10.4 | | | | | | | | | | | |
| 37 | 9.2 | 10.4 | | | | | | | | | | | |
| 38 | 9.2 | 10.5 | | | | | | | | | | | |
| 39 | 8.9 | 10.5 | | | | | | | | | | | |
| 40 | 8.4 | 10.8 | 7.3 | 106 | 2.7 | 50 | | | | | | | |
| 41 | 8.3 | 10.8 | | | | | | | | | | | |
| 42 | 7.0 | 11.3 | | | | | | | | | | | |
| 43 | 6.8 | 11.7 | | | | | | | | | | | |
| 44 | 6.5 | 11.8 | | | | | | | | | | | |
| 45 | 6.4 | 11.9 | 7.3 | 116 | 7.0 | - | | | | | | | |
| 46 | 6.4 | 12.0 | | | | | | | | | | | |
| 47 | 6.3 | 12.0 | | | | | | | | | | | |
| 48 | 6.4 | 12.0 | | | | | | | | | | | |
| 49 | 6.3 | 11.9 | | | | | | | | | | | |
| 50 | 6.4 | 11.9 | 7.3 | 117 | 6.6 | - | | | | | | | |
| 51 | 6.3 | - | | | | | | | | | | | |
| 52 | 6.3 | - | | | | | | | | | | | |
| 53 | 6.3 | - | | | | | | | | | | | |
| 54 | 6.3 | - | | | | | | | | | | | |
| 55 | 6.3 | 12.1 | 7.3 | 117 | 6.7 | 56 | | | | | | | |
| 56 | 6.3 | - | | | | | | | | | | | |
| 57 | 6.3 | - | | | | | | | | | | | |
| 58 | 6.3 | - | | | | | | | | | | | |
| 59 | 6.3 | - | | | | | | | | | | | |
| 60 | 6.3 | 12.1 | 7.3 | 117 | 6.9 | - | | | | | | | |
| 61 | 6.3 | - | | | | | | | | | | | |
| 62 | 6.3 | - | | | | | | | | | | | |
| 63 | 6.3 | - | | | | | | | | | | | |
| 64 | 6.3 | - | | | | | | | | | | | |
| 65 | 6.3 | 11.8 | 7.3 | 117 | 6.5 | 55 | | | | | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 044.9 212.1 Pit River Arm February 27, 1984 @ 1200 Hrs. Secchi 3.4m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|--------|------|-------|------|----------|-----------|------|----|------|-------|------|
| Surf. | 10.0 | 11.2 | 7.5 | 107 | 0.9 | 46 | | | | | | | |
| 1 | 9.4 | 11.2 | | | | | | | | | | | |
| 2 | 9.0 | 11.3 | | | | | | | | | | | |
| 3 | 9.0 | 11.4 | 7.5 | 107 | 0.8 | - | | | | | | | |
| 4 | 9.0 | 11.4 | | | | | | | | | | | |
| 5 | 9.0 | 11.4 | | | | | | | | | | | |
| 6 | 9.0 | 11.3 | 7.5 | 107 | 1.1 | - | | | | | | | |
| 7 | 9.0 | 11.3 | | | | | | | | | | | |
| 8 | 9.0 | 11.3 | | | | | | | | | | | |
| 9 | 9.0 | 11.2 | 7.5 | 108 | 0.9 | 50 | | | | | | | |
| 10 | 9.0 | 11.1 | | | | | | | | | | | |
| 11 | 8.9 | 11.1 | | | | | | | | | | | |
| 12 | 8.9 | 11.0 | 7.4 | 108 | 1.1 | - | | | | | | | |
| 13 | 8.9 | 11.0 | | | | | | | | | | | |
| 14 | 8.9 | 11.0 | | | | | | | | | | | |
| 15 | 8.9 | 11.0 | 7.4 | 108 | 1.1 | - | | | | | | | |
| 16 | 8.9 | 11.0 | | | | | | | | | | | |
| 17 | 9.0 | 11.0 | | | | | | | | | | | |
| 18 | 9.0 | 11.0 | 7.3 | 107 | 0.9 | 47 | | | | | | | |
| 19 | 9.0 | 11.0 | | | | | | | | | | | |
| 20 | 9.0 | 11.0 | | | | | | | | | | | |
| 21 | 8.9 | 11.1 | 7.3 | 108 | 1.2 | - | | | | | | | |
| 22 | 8.9 | 11.0 | | | | | | | | | | | |
| 23 | 8.8 | 10.9 | | | | | | | | | | | |
| 24 | 8.8 | 10.9 | 7.3 | 108 | 1.3 | - | | | | | | | |
| 25 | 8.8 | 10.9 | | | | | | | | | | | |
| 26 | 8.8 | 10.9 | | | | | | | | | | | |
| 27 | 8.8 | 10.9 | 7.3 | 108 | 1.3 | 47 | | | | | | | |
| 28 | 8.8 | 10.9 | | | | | | | | | | | |
| 29 | 8.7 | 10.9 | | | | | | | | | | | |
| 30 | 8.7 | 10.9 | 7.3 | 107 | 1.2 | - | | | | | | | |
| 31 | 8.7 | 10.9 | | | | | | | | | | | |
| 32 | 8.7 | 10.9 | | | | | | | | | | | |
| 33 | 8.7 | 11.0 | | | | | | | | | | | |
| 34 | 8.6 | 11.0 | | | | | | | | | | | |
| 35 | 8.6 | 11.0 | 7.3 | 110 | 1.8 | - | | | | | | | |
| 36 | 8.5 | 11.0 | | | | | | | | | | | |
| 37 | 7.9 | 11.1 | | | | | | | | | | | |
| 38 | 7.6 | 11.5 | | | | | | | | | | | |
| 39 | 7.2 | 11.7 | | | | | | | | | | | |
| 40 | 7.0 | 11.8 | 7.3 | 130 | 7.4 | 47 | | | | | | | |
| 41 | 7.0 | 11.8 | | | | | | | | | | | |
| 42 | 6.9 | 11.8 | | | | | | | | | | | |
| 43 | 6.9 | 11.8 | | | | | | | | | | | |
| 44 | 6.9 | 11.8 | | | | | | | | | | | |
| 45 | 6.8 | 11.8 | 7.3 | 129 | 8.5 | - | | | | | | | |
| 46 | 6.8 | 11.8 | | | | | | | | | | | |
| 47 | 6.8 | 11.8 | | | | | | | | | | | |
| 48 | 6.8 | 11.8 | | | | | | | | | | | |
| 49 | 6.8 | 11.8 | | | | | | | | | | | |
| 50 | 6.8 | 11.8 | 7.3 | 130 | 8.4 | - | | | | | | | |
| 51 | 6.8 | 11.9 | | | | | | | | | | | |
| 52 | 6.8 | 11.8 | | | | | | | | | | | |
| 53 | 6.8 | 11.8 | | | | | | | | | | | |
| 54 | 6.8 | 11.8 | | | | | | | | | | | |
| 55 | 6.8 | 11.8 | 7.3 | 130 | 9.6 | 60 | | | | | | | |
| 56 | 6.8 | 11.9 | | | | | | | | | | | |
| 57 | 6.8 | 11.9 | | | | | | | | | | | |
| 58 | 6.8 | 11.7 | Bottom | | | | | | | | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 044.9 212.1 Pit River Arm April 2, 1984 @ 1030 Hrs. Secchi 5.4m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|-----|--------|-------|------|
| Surf. | 13.0 | 10.5 | 7.4 | 108 | 1.4 | 47 | 66 | 7.3 | 11.3 | | | | |
| 1 | 13.0 | 10.8 | | | | | 67 | 7.3 | 11.3 | | | | |
| 2 | 12.4 | 10.9 | | | | | 68 | 7.2 | 11.3 | | | | |
| 3 | 12.4 | 10.8 | 7.4 | 108 | 1.6 | - | 69 | 7.2 | 11.2 | | | | |
| 4 | 12.2 | 10.8 | | | | | 70 | 7.1 | 11.1 | 7.3 | 134 | 9.6 | 60 |
| 5 | 12.0 | 10.7 | | | | | 71 | 7.1 | 11.0 | | | | |
| 6 | 11.8 | 10.6 | 7.4 | 106 | 1.4 | - | 72 | 7.0 | 11.0 | | | | |
| 7 | 11.6 | 10.6 | | | | | 73 | 7.0 | 11.0 | | | | |
| 8 | 11.5 | 10.6 | | | | | 74 | 7.0 | 11.0 | | | | |
| 9 | 11.2 | 10.6 | 7.4 | 106 | 1.4 | 46 | 75 | 7.0 | 10.9 | 7.3 | 135 | 10.0 | - |
| 10 | 11.0 | 10.6 | | | | | 76 | 7.0 | 10.9 | | | | |
| 11 | 10.8 | 10.7 | | | | | 77 | 7.0 | 10.8 | | | | |
| 12 | 10.7 | 10.7 | 7.4 | 108 | 1.9 | - | 78 | 7.0 | 10.8 | | | | |
| 13 | 10.7 | 10.7 | | | | | 79 | 7.0 | 10.7 | | | | |
| 14 | 10.5 | 10.8 | | | | | 80 | 7.0 | 10.6 | 7.3 | 135 | 10.0 | 60 |
| 15 | 10.3 | 10.9 | 7.4 | 119 | 5.5 | 52 | 81 | 7.0 | 10.6 | | | | |
| 16 | 10.1 | 11.1 | | | | | 82 | 7.0 | 10.5 | | | | |
| 17 | 10.0 | 11.2 | | | | | 83 | 7.0 | 10.5 | | | | |
| 18 | 9.9 | 11.2 | 7.4 | 125 | 7.5 | 57 | 83.5 | - | - | - | Bottom | | |
| 19 | 9.8 | 11.2 | | | | | | | | | | | |
| 20 | 9.8 | 11.2 | | | | | | | | | | | |
| 21 | 9.8 | 11.3 | 7.4 | 125 | 7.7 | - | | | | | | | |
| 22 | 9.7 | 11.3 | | | | | | | | | | | |
| 23 | 9.6 | 11.3 | | | | | | | | | | | |
| 24 | 9.5 | 11.3 | 7.4 | 125 | 7.6 | - | | | | | | | |
| 25 | 9.4 | 11.3 | | | | | | | | | | | |
| 26 | 9.3 | 11.3 | | | | | | | | | | | |
| 27 | 9.3 | 11.3 | 7.4 | 125 | 7.7 | 57 | | | | | | | |
| 28 | 9.2 | 11.4 | | | | | | | | | | | |
| 29 | 9.1 | 11.4 | | | | | | | | | | | |
| 30 | 9.0 | 11.4 | 7.3 | 125 | 7.7 | - | | | | | | | |
| 31 | 9.0 | 11.4 | | | | | | | | | | | |
| 32 | 9.0 | 11.4 | | | | | | | | | | | |
| 33 | 8.9 | 11.4 | | | | | | | | | | | |
| 34 | 8.9 | 11.5 | | | | | | | | | | | |
| 35 | 8.8 | 11.5 | 7.3 | 125 | 7.8 | - | | | | | | | |
| 36 | 8.8 | 11.5 | | | | | | | | | | | |
| 37 | 8.8 | 11.5 | | | | | | | | | | | |
| 38 | 8.8 | 11.5 | | | | | | | | | | | |
| 39 | 8.8 | 11.5 | | | | | | | | | | | |
| 40 | 8.8 | 11.6 | 7.3 | 125 | 7.9 | 58 | | | | | | | |
| 41 | 8.8 | 11.6 | | | | | | | | | | | |
| 42 | 8.7 | 11.5 | | | | | | | | | | | |
| 43 | 8.7 | 11.5 | | | | | | | | | | | |
| 44 | 8.6 | 11.5 | | | | | | | | | | | |
| 45 | 8.6 | 11.5 | 7.3 | 126 | 8.0 | - | | | | | | | |
| 46 | 8.6 | 11.5 | | | | | | | | | | | |
| 47 | 8.5 | 11.4 | | | | | | | | | | | |
| 48 | 8.4 | 11.4 | | | | | | | | | | | |
| 49 | 8.3 | 11.4 | | | | | | | | | | | |
| 50 | 8.3 | 11.3 | 7.3 | 126 | 7.5 | - | | | | | | | |
| 51 | 8.2 | 11.2 | | | | | | | | | | | |
| 52 | 8.1 | 11.1 | | | | | | | | | | | |
| 53 | 8.0 | 11.1 | | | | | | | | | | | |
| 54 | 8.0 | 11.1 | | | | | | | | | | | |
| 55 | 7.9 | 11.1 | 7.3 | 129 | 5.7 | 59 | | | | | | | |
| 56 | 7.8 | 11.2 | | | | | | | | | | | |
| 57 | 7.8 | 11.2 | | | | | | | | | | | |
| 58 | 7.7 | 11.2 | | | | | | | | | | | |
| 59 | 7.7 | 11.2 | | | | | | | | | | | |
| 60 | 7.7 | 11.2 | 7.3 | 132 | 6.6 | - | | | | | | | |
| 61 | 7.6 | 11.3 | | | | | | | | | | | |
| 62 | 7.6 | 11.3 | | | | | | | | | | | |
| 63 | 7.5 | 11.3 | | | | | | | | | | | |
| 64 | 7.5 | 11.3 | | | | | | | | | | | |
| 65 | 7.3 | 11.3 | 7.3 | 133 | 7.6 | - | | | | | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 044.9 212.1 Pit River Arm May 7, 1984 @ 0830 Hrs. Secchi 5.5m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|--------|------|-------|------|
| Surf. | 14.5 | 10.2 | 7.7 | 99 | 1.0 | 46 |
| 1 | 14.5 | 10.2 | | | | |
| 2 | 14.5 | 10.2 | | | | |
| 3 | 14.5 | 10.2 | 7.7 | 101 | 1.0 | - |
| 4 | 14.5 | 10.2 | | | | |
| 5 | 14.4 | 10.2 | | | | |
| 6 | 14.4 | 10.2 | 7.6 | 102 | 1.0 | - |
| 7 | 14.4 | 10.3 | | | | |
| 8 | 14.4 | 10.3 | | | | |
| 9 | 14.4 | 10.3 | 7.6 | 101 | 1.0 | 47 |
| 10 | 14.3 | 10.2 | | | | |
| 11 | 14.1 | 10.2 | | | | |
| 12 | 13.3 | 10.1 | 7.5 | 106 | 1.5 | - |
| 13 | 13.0 | 10.0 | | | | |
| 14 | 12.9 | 10.0 | | | | |
| 15 | 12.1 | 10.2 | 7.5 | 116 | 2.5 | - |
| 16 | 11.9 | 10.2 | | | | |
| 17 | 11.5 | 10.3 | | | | |
| 18 | 11.3 | 10.3 | 7.5 | 121 | 3.1 | 60 |
| 19 | 11.3 | 10.4 | | | | |
| 20 | 11.2 | 10.4 | | | | |
| 21 | 11.1 | 10.4 | 7.5 | 119 | 3.1 | - |
| 22 | 11.0 | 10.4 | | | | |
| 23 | 11.0 | 10.4 | | | | |
| 24 | 10.9 | 10.3 | 7.5 | 120 | 3.2 | - |
| 25 | 10.8 | 10.3 | | | | |
| 26 | 10.8 | 10.3 | | | | |
| 27 | 10.8 | 10.2 | 7.4 | 120 | 3.5 | 60 |
| 28 | 10.6 | 10.1 | | | | |
| 29 | 10.1 | 10.0 | | | | |
| 30 | 10.0 | 10.0 | 7.3 | 119 | 4.1 | - |
| 31 | 9.8 | 10.0 | | | | |
| 32 | 9.6 | 10.0 | | | | |
| 33 | 9.5 | 10.0 | | | | |
| 34 | 9.5 | 10.0 | | | | |
| 35 | 9.4 | 10.0 | 7.3 | 117 | 4.1 | - |
| 36 | 9.4 | 9.9 | | | | |
| 37 | 9.3 | 9.9 | | | | |
| 38 | 9.2 | 10.0 | | | | |
| 39 | 9.2 | 10.0 | | | | |
| 40 | 9.0 | 10.0 | 7.3 | 115 | 3.9 | 55 |
| 41 | 9.0 | 10.0 | | | | |
| 42 | 9.0 | 10.0 | | | | |
| 43 | 9.0 | 10.0 | | | | |
| 44 | 9.0 | 10.0 | | | | |
| 45 | 9.0 | 10.0 | 7.3 | 115 | 4.5 | - |
| 46 | 9.0 | 10.0 | | | | |
| 47 | 8.9 | 10.0 | | | | |
| 48 | 8.9 | 10.0 | | | | |
| 49 | 8.9 | 10.0 | | | | |
| 50 | 8.9 | 10.0 | 7.3 | 115 | 5.1 | - |
| 51 | 8.8 | 10.0 | | | | |
| 52 | 8.8 | 10.0 | | | | |
| 53 | 8.8 | 10.0 | | | | |
| 54 | 8.7 | 10.0 | | | | |
| 55 | 8.7 | 10.0 | 7.3 | 118 | 5.5 | 60 |
| 56 | 8.6 | 10.0 | | | | |
| 57 | 8.6 | 10.0 | | | | |
| 58 | 8.6 | 9.9 | Bottom | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 044.9 212.1 Pit River Arm June 5, 1984 @ 0800 Hrs. Secchi 5.3m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| Surf. | 20.0 | 8.6 | 7.6 | 109 | 1.3 | 47 | 66 | 8.6 | 7.0 | | | | |
| 1 | 20.0 | 8.6 | | | | | 67 | 8.5 | 6.8 | | | | |
| 2 | 20.0 | 8.6 | | | | | 68 | 8.5 | 6.6 | | | | |
| 3 | 20.1 | 8.5 | 7.5 | 109 | 1.5 | - | 69 | 8.3 | 6.4 | | | | |
| 4 | 20.1 | 8.5 | | | | | 70 | 8.2 | 6.2 | | | | |
| 5 | 19.5 | 8.6 | | | | | 71 | 8.2 | 6.1 | Bottom | | | |
| 6 | 18.7 | 8.9 | 7.7 | 120 | 1.5 | 54 | | | | | | | |
| 7 | 17.7 | 8.7 | | | | | | | | | | | |
| 8 | 17.0 | 8.7 | | | | | | | | | | | |
| 9 | 16.4 | 8.5 | 7.7 | 129 | 1.5 | 59 | | | | | | | |
| 10 | 15.8 | 8.3 | | | | | | | | | | | |
| 11 | 15.6 | 8.3 | | | | | | | | | | | |
| 12 | 15.5 | 8.2 | 7.6 | 130 | 1.6 | - | | | | | | | |
| 13 | 15.4 | 8.1 | | | | | | | | | | | |
| 14 | 14.8 | 7.9 | | | | | | | | | | | |
| 15 | 14.5 | 7.9 | 7.5 | 129 | 1.6 | - | | | | | | | |
| 16 | 14.2 | 7.7 | | | | | | | | | | | |
| 17 | 13.6 | 8.1 | | | | | | | | | | | |
| 18 | 13.2 | 8.1 | 7.4 | 127 | 2.0 | 58 | | | | | | | |
| 19 | 12.7 | 8.1 | | | | | | | | | | | |
| 20 | 12.2 | 7.6 | | | | | | | | | | | |
| 21 | 11.9 | 7.7 | 7.3 | 125 | 2.2 | - | | | | | | | |
| 22 | 11.4 | 7.8 | | | | | | | | | | | |
| 23 | 11.2 | 7.7 | | | | | | | | | | | |
| 24 | 11.0 | 7.7 | 7.3 | 125 | 2.5 | - | | | | | | | |
| 25 | 10.9 | 7.7 | | | | | | | | | | | |
| 26 | 10.9 | 7.8 | | | | | | | | | | | |
| 27 | 10.8 | 7.8 | 7.3 | 125 | 2.7 | 58 | | | | | | | |
| 28 | 10.7 | 7.9 | | | | | | | | | | | |
| 29 | 10.6 | 7.9 | | | | | | | | | | | |
| 30 | 10.5 | 7.9 | 7.3 | 125 | 2.7 | - | | | | | | | |
| 31 | 10.4 | 8.0 | | | | | | | | | | | |
| 32 | 10.2 | 8.0 | | | | | | | | | | | |
| 33 | 10.1 | 8.0 | | | | | | | | | | | |
| 34 | 10.0 | 8.0 | | | | | | | | | | | |
| 35 | 9.9 | 7.9 | 7.3 | 123 | 3.3 | - | | | | | | | |
| 36 | 9.8 | 7.9 | | | | | | | | | | | |
| 37 | 9.7 | 7.9 | | | | | | | | | | | |
| 38 | 9.6 | 8.0 | | | | | | | | | | | |
| 39 | 9.5 | 8.0 | | | | | | | | | | | |
| 40 | 9.4 | 7.9 | 7.3 | 122 | 3.3 | 54 | | | | | | | |
| 41 | 9.3 | 7.9 | | | | | | | | | | | |
| 42 | 9.2 | 7.9 | | | | | | | | | | | |
| 43 | 9.2 | 7.9 | | | | | | | | | | | |
| 44 | 9.2 | 8.0 | | | | | | | | | | | |
| 45 | 9.2 | 8.0 | 7.3 | 121 | 3.4 | - | | | | | | | |
| 46 | 9.1 | 7.9 | | | | | | | | | | | |
| 47 | 9.1 | 8.0 | | | | | | | | | | | |
| 48 | 9.1 | 7.9 | | | | | | | | | | | |
| 49 | 9.0 | 7.9 | | | | | | | | | | | |
| 50 | 9.0 | 7.9 | 7.3 | 121 | 3.6 | - | | | | | | | |
| 51 | 9.0 | 7.9 | | | | | | | | | | | |
| 52 | 9.0 | 7.9 | | | | | | | | | | | |
| 53 | 8.9 | 7.9 | | | | | | | | | | | |
| 54 | 8.9 | 7.8 | | | | | | | | | | | |
| 55 | 8.9 | 7.8 | 7.3 | 122 | 4.0 | 55 | | | | | | | |
| 56 | 8.9 | 7.8 | | | | | | | | | | | |
| 57 | 8.8 | 7.7 | | | | | | | | | | | |
| 58 | 8.8 | 7.6 | | | | | | | | | | | |
| 59 | 8.8 | 7.5 | | | | | | | | | | | |
| 60 | 8.8 | 7.5 | 7.2 | 123 | 4.8 | - | | | | | | | |
| 61 | 8.8 | 7.4 | | | | | | | | | | | |
| 62 | 8.8 | 7.4 | | | | | | | | | | | |
| 63 | 8.7 | 7.3 | | | | | | | | | | | |
| 64 | 8.7 | 7.2 | | | | | | | | | | | |
| 65 | 8.6 | 7.1 | 7.2 | 126 | 5.6 | 56 | | | | | | | |

Sta. AZL 044.9 212.1 Pitt River Arm July 10, 1984 @ 0830 Hrs. Secchi 3.0m

[illegible]

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 044.9 212.1 Pit River Arm August 13, 1984 @ 0930 Hrs. Secchi 3.4m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|-----|------|-------|------|
| Surf. | 26.0 | 8.3 | 8.0 | 113 | 1.5 | 48 | 66 | 9.7 | 1.9 | | | | |
| 1 | 26.0 | 8.2 | | | | | 67 | 9.6 | 1.8 | | | | |
| 2 | 26.0 | 8.0 | | | | | 68 | 9.5 | 1.7 | | | | |
| 3 | 25.8 | 7.9 | 8.0 | 113 | 1.1 | - | 69 | 9.4 | 1.6 | | | | |
| 4 | 25.6 | 7.9 | | | | | 70 | 9.3 | 1.4 | 7.0 | 133 | 3.1 | - |
| 5 | 25.6 | 7.8 | | | | | 71 | 9.2 | 1.3 | 7.0 | 135 | 5.0 | 61 |
| 6 | 25.5 | 7.8 | 8.0 | 113 | 0.6 | - | 72 | 9.1 | 1.3 | | | | |
| 7 | 25.5 | 7.7 | | | | | 73 | 9.1 | 0.9 | | | | |
| 8 | 25.3 | 6.3 | | | | | 73.5 | - | - | | | | |
| 9 | 24.2 | 4.9 | 7.2 | 117 | 0.8 | 52 | | | | | | | |
| 10 | 22.8 | 4.0 | | | | | | | | | | | |
| 11 | 21.4 | 5.1 | | | | | | | | | | | |
| 12 | 20.1 | 6.0 | 7.4 | 133 | 1.0 | 60 | | | | | | | |
| 13 | 19.9 | 6.2 | | | | | | | | | | | |
| 14 | 19.2 | 6.5 | | | | | | | | | | | |
| 15 | 19.0 | 6.4 | 7.4 | 134 | 0.9 | - | | | | | | | |
| 16 | 18.8 | 6.5 | | | | | | | | | | | |
| 17 | 18.7 | 6.6 | | | | | | | | | | | |
| 18 | 18.5 | 6.5 | 7.4 | 135 | 1.1 | - | | | | | | | |
| 19 | 18.4 | 6.4 | | | | | | | | | | | |
| 20 | 18.2 | 6.3 | | | | | | | | | | | |
| 21 | 18.1 | 6.2 | 7.3 | 135 | 1.0 | 62 | | | | | | | |
| 22 | 17.7 | 5.8 | | | | | | | | | | | |
| 23 | 17.2 | 5.2 | | | | | | | | | | | |
| 24 | 16.8 | 5.1 | 7.3 | 131 | 1.3 | - | | | | | | | |
| 25 | 16.3 | 5.1 | | | | | | | | | | | |
| 26 | 16.0 | 5.1 | | | | | | | | | | | |
| 27 | 15.7 | 5.1 | 7.3 | 131 | 1.3 | - | | | | | | | |
| 28 | 15.4 | 5.1 | | | | | | | | | | | |
| 29 | 15.0 | 5.1 | | | | | | | | | | | |
| 30 | 14.7 | 5.1 | 7.3 | 130 | 1.3 | 60 | | | | | | | |
| 31 | 14.4 | 5.1 | | | | | | | | | | | |
| 32 | 14.2 | 5.1 | | | | | | | | | | | |
| 33 | 13.9 | 5.1 | | | | | | | | | | | |
| 34 | 13.8 | 5.1 | | | | | | | | | | | |
| 35 | 13.5 | 5.2 | 7.3 | 127 | 1.7 | - | | | | | | | |
| 36 | 13.1 | 5.3 | | | | | | | | | | | |
| 37 | 12.8 | 5.3 | | | | | | | | | | | |
| 38 | 12.6 | 5.3 | | | | | | | | | | | |
| 39 | 12.3 | 5.3 | | | | | | | | | | | |
| 40 | 12.2 | 5.3 | 7.3 | 125 | 1.9 | - | | | | | | | |
| 41 | 12.1 | 5.3 | | | | | | | | | | | |
| 42 | 12.0 | 5.2 | | | | | | | | | | | |
| 43 | 11.9 | 5.1 | | | | | | | | | | | |
| 44 | 11.8 | 5.0 | | | | | | | | | | | |
| 45 | 11.5 | 5.0 | 7.2 | 126 | 2.1 | 57 | | | | | | | |
| 46 | 11.3 | 5.0 | | | | | | | | | | | |
| 47 | 11.2 | 4.9 | | | | | | | | | | | |
| 48 | 11.1 | 4.8 | | | | | | | | | | | |
| 49 | 11.0 | 4.7 | | | | | | | | | | | |
| 50 | 11.0 | 4.5 | 7.2 | 127 | 2.4 | - | | | | | | | |
| 51 | 10.9 | 4.3 | | | | | | | | | | | |
| 52 | 10.8 | 4.1 | | | | | | | | | | | |
| 53 | 10.7 | 3.9 | | | | | | | | | | | |
| 54 | 10.6 | 3.7 | | | | | | | | | | | |
| 55 | 10.5 | 3.2 | 7.1 | 129 | 2.1 | - | | | | | | | |
| 56 | 10.4 | 3.0 | | | | | | | | | | | |
| 57 | 10.3 | 2.7 | | | | | | | | | | | |
| 58 | 10.3 | 2.5 | | | | | | | | | | | |
| 59 | 10.2 | 2.3 | | | | | | | | | | | |
| 60 | 10.1 | 2.3 | 7.0 | 131 | 2.5 | 58 | | | | | | | |
| 61 | 10.0 | 2.2 | | | | | | | | | | | |
| 62 | 10.0 | 2.0 | | | | | | | | | | | |
| 63 | 9.9 | 2.0 | | | | | | | | | | | |
| 64 | 9.9 | 1.9 | | | | | | | | | | | |
| 65 | 9.8 | 1.9 | 7.0 | 132 | 2.4 | - | | | | | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 044.9 212.1 Pit River Arm September 11, 1984 @ 0815 Hrs. Secchi 5.0m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| Surf. | 23.6 | 7.8 | 7.8 | 118 | 0.8 | 52 | 66 | 9.8 | 0.4 | | | | |
| 1 | 23.6 | 7.8 | | | | | 67 | 9.7 | 0.3 | | | | |
| 2 | 23.6 | 7.8 | | | | | 68 | 9.3 | 0.1 | | | | |
| 3 | 23.6 | 7.7 | 7.8 | 118 | 0.9 | - | 69 | 9.1 | 0.1 | | | | |
| 4 | 23.6 | 7.7 | | | | | 70 | 9.1 | 0.0 | 6.9 | 137 | 4.4 | 63 |
| 5 | 23.5 | 7.6 | | | | | 71 | 9.0 | 0.0 | | | | |
| 6 | 23.5 | 7.6 | 7.8 | 118 | 0.7 | - | 72 | 9.0 | 0.0 | | | | |
| 7 | 23.4 | 7.3 | | | | | 72.8 | 9.0 | 0.0 | Bottom | | | |
| 8 | 23.2 | 7.1 | | | | | | | | | | | |
| 9 | 23.1 | 6.4 | 7.4 | 119 | 0.7 | 53 | | | | | | | |
| 10 | 22.9 | 5.2 | | | | | | | | | | | |
| 11 | 21.4 | 3.2 | | | | | | | | | | | |
| 12 | 20.7 | 4.8 | 7.2 | 129 | 0.7 | - | | | | | | | |
| 13 | 20.0 | 5.7 | | | | | | | | | | | |
| 14 | 19.3 | 6.2 | | | | | | | | | | | |
| 15 | 19.0 | 6.6 | 7.3 | 132 | 0.6 | - | | | | | | | |
| 16 | 18.7 | 6.8 | | | | | | | | | | | |
| 17 | 18.4 | 7.2 | | | | | | | | | | | |
| 18 | 18.2 | 7.5 | 7.5 | 134 | 0.9 | 60 | | | | | | | |
| 19 | 18.0 | 7.6 | | | | | | | | | | | |
| 20 | 17.9 | 7.7 | | | | | | | | | | | |
| 21 | 17.4 | 8.0 | 7.6 | 136 | 0.9 | - | | | | | | | |
| 22 | 17.2 | 8.0 | | | | | | | | | | | |
| 23 | 17.2 | 8.0 | | | | | | | | | | | |
| 24 | 17.1 | 8.0 | 7.6 | 137 | 1.1 | - | | | | | | | |
| 25 | 17.0 | 8.0 | | | | | | | | | | | |
| 26 | 17.0 | 8.0 | | | | | | | | | | | |
| 27 | 17.0 | 8.0 | 7.5 | 138 | 1.6 | 62 | | | | | | | |
| 28 | 16.9 | 7.9 | | | | | | | | | | | |
| 29 | 16.9 | 7.9 | | | | | | | | | | | |
| 30 | 16.8 | 7.8 | 7.5 | 138 | 1.5 | - | | | | | | | |
| 31 | 16.8 | 7.7 | | | | | | | | | | | |
| 32 | 16.2 | 6.9 | | | | | | | | | | | |
| 33 | 15.2 | 5.6 | | | | | | | | | | | |
| 34 | 15.1 | 5.6 | | | | | | | | | | | |
| 35 | 14.8 | 5.5 | 7.2 | 132 | 2.2 | - | | | | | | | |
| 36 | 14.6 | 5.5 | | | | | | | | | | | |
| 37 | 14.3 | 5.5 | | | | | | | | | | | |
| 38 | 14.1 | 5.4 | | | | | | | | | | | |
| 39 | 13.9 | 5.5 | | | | | | | | | | | |
| 40 | 13.8 | 5.5 | 7.1 | 131 | 2.2 | 59 | | | | | | | |
| 41 | 13.6 | 5.6 | | | | | | | | | | | |
| 42 | 13.3 | 5.6 | | | | | | | | | | | |
| 43 | 13.1 | 5.5 | | | | | | | | | | | |
| 44 | 12.9 | 5.4 | | | | | | | | | | | |
| 45 | 12.6 | 5.0 | 7.0 | 130 | 2.1 | - | | | | | | | |
| 46 | 12.5 | 4.9 | | | | | | | | | | | |
| 47 | 12.3 | 4.6 | | | | | | | | | | | |
| 48 | 12.1 | 4.3 | | | | | | | | | | | |
| 49 | 12.0 | 4.1 | | | | | | | | | | | |
| 50 | 11.9 | 3.6 | 7.0 | 131 | 2.7 | - | | | | | | | |
| 51 | 11.8 | 3.6 | | | | | | | | | | | |
| 52 | 11.8 | 3.3 | | | | | | | | | | | |
| 53 | 11.5 | 2.8 | | | | | | | | | | | |
| 54 | 11.3 | 2.0 | | | | | | | | | | | |
| 55 | 11.2 | 1.7 | 7.0 | 134 | 2.2 | 60 | | | | | | | |
| 56 | 11.1 | 1.5 | | | | | | | | | | | |
| 57 | 10.9 | 1.3 | | | | | | | | | | | |
| 58 | 10.8 | 1.1 | | | | | | | | | | | |
| 59 | 10.8 | 1.0 | | | | | | | | | | | |
| 60 | 10.6 | 1.0 | 6.9 | 136 | 3.6 | - | | | | | | | |
| 61 | 10.4 | 1.1 | | | | | | | | | | | |
| 62 | 10.3 | 1.1 | | | | | | | | | | | |
| 63 | 10.2 | 1.0 | | | | | | | | | | | |
| 64 | 10.0 | 0.7 | | | | | | | | | | | |
| 65 | 9.9 | 0.5 | 6.9 | 136 | 3.6 | - | | | | | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 045.4 225.5 Little Backbone Creek Inlet May 13, 1983 @ 1300 Hrs. Secchi 2.3m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|----|------|--------|------|
| Surf. | 14.5 | 10.5 | 7.4 | 73 | 2.9 | 30 | 66 | 7.2 | 10.3 | | | | |
| 1 | 14.4 | 10.5 | | | | | 66.3 | - | - | | | Bottom | |
| 2 | 13.3 | 10.5 | | | | | | | | | | | |
| 3 | 12.9 | 10.4 | 7.4 | 74 | 2.4 | - | | | | | | | |
| 4 | 12.3 | 10.3 | | | | | | | | | | | |
| 5 | 12.1 | 10.3 | | | | | | | | | | | |
| 6 | 12.0 | 10.3 | 7.4 | 74 | 2.7 | 28 | | | | | | | |
| 7 | 11.9 | 10.3 | | | | | | | | | | | |
| 8 | 11.7 | 10.3 | | | | | | | | | | | |
| 9 | 11.3 | 10.3 | 7.3 | 74 | 2.4 | - | | | | | | | |
| 10 | 11.1 | 10.3 | | | | | | | | | | | |
| 11 | 11.0 | 10.2 | | | | | | | | | | | |
| 12 | 10.9 | 10.2 | 7.2 | 72 | 2.6 | 30 | | | | | | | |
| 13 | 10.5 | 10.1 | | | | | | | | | | | |
| 14 | 10.3 | 10.1 | | | | | | | | | | | |
| 15 | 10.2 | 10.0 | 7.2 | 72 | 2.7 | - | | | | | | | |
| 16 | 10.1 | 10.0 | | | | | | | | | | | |
| 17 | 10.1 | 10.0 | | | | | | | | | | | |
| 18 | 9.9 | 10.0 | 7.2 | 72 | 2.7 | 30 | | | | | | | |
| 19 | 9.3 | 10.0 | | | | | | | | | | | |
| 20 | 9.0 | 10.0 | | | | | | | | | | | |
| 21 | 8.7 | 10.0 | 7.2 | 73 | 2.6 | - | | | | | | | |
| 22 | 8.5 | 10.0 | | | | | | | | | | | |
| 23 | 8.2 | 10.0 | | | | | | | | | | | |
| 24 | 8.1 | 10.0 | 7.2 | 77 | 1.8 | 31 | | | | | | | |
| 25 | 8.1 | 10.0 | | | | | | | | | | | |
| 26 | 8.1 | 10.0 | | | | | | | | | | | |
| 27 | 8.0 | 10.0 | 7.2 | 81 | 3.6 | - | | | | | | | |
| 28 | 8.0 | 10.0 | | | | | | | | | | | |
| 29 | 8.0 | 10.0 | | | | | | | | | | | |
| 30 | 8.0 | 10.1 | 7.2 | 80 | 2.2 | 36 | | | | | | | |
| 31 | 8.0 | 10.1 | | | | | | | | | | | |
| 32 | 8.0 | 10.1 | | | | | | | | | | | |
| 33 | 7.9 | 10.2 | | | | | | | | | | | |
| 34 | 7.9 | 10.2 | | | | | | | | | | | |
| 35 | 7.9 | 10.2 | 7.2 | 82 | 2.3 | - | | | | | | | |
| 36 | 7.9 | 10.2 | | | | | | | | | | | |
| 37 | 7.9 | 10.2 | | | | | | | | | | | |
| 38 | 7.9 | 10.2 | | | | | | | | | | | |
| 39 | 7.9 | 10.2 | | | | | | | | | | | |
| 40 | 7.8 | 10.2 | 7.2 | 83 | 2.4 | 36 | | | | | | | |
| 41 | 7.8 | 10.2 | | | | | | | | | | | |
| 42 | 7.8 | 10.2 | | | | | | | | | | | |
| 43 | 7.8 | 10.2 | | | | | | | | | | | |
| 44 | 7.7 | 10.2 | | | | | | | | | | | |
| 45 | 7.7 | 10.2 | 7.2 | 83 | 3.0 | - | | | | | | | |
| 46 | 7.7 | 10.2 | | | | | | | | | | | |
| 47 | 7.7 | 10.3 | | | | | | | | | | | |
| 48 | 7.7 | 10.3 | | | | | | | | | | | |
| 49 | 7.6 | 10.3 | | | | | | | | | | | |
| 50 | 7.6 | 10.3 | 7.2 | 83 | 3.2 | 36 | | | | | | | |
| 51 | 7.6 | 10.3 | | | | | | | | | | | |
| 52 | 7.6 | 10.3 | | | | | | | | | | | |
| 53 | 7.5 | 10.3 | | | | | | | | | | | |
| 54 | 7.5 | 10.3 | | | | | | | | | | | |
| 55 | 7.5 | 10.3 | 7.2 | 84 | 3.4 | 37 | | | | | | | |
| 56 | 7.4 | 10.3 | | | | | | | | | | | |
| 57 | 7.4 | 10.3 | | | | | | | | | | | |
| 58 | 7.4 | 10.3 | | | | | | | | | | | |
| 59 | 7.4 | 10.3 | | | | | | | | | | | |
| 60 | 7.4 | 10.3 | 7.2 | 86 | 6.4 | 39 | | | | | | | |
| 61 | 7.3 | 10.3 | | | | | | | | | | | |
| 62 | 7.3 | 10.3 | | | | | | | | | | | |
| 63 | 7.3 | 10.3 | | | | | | | | | | | |
| 64 | 7.2 | 10.3 | | | | | | | | | | | |
| 65 | 7.2 | 10.3 | | | | | | | | | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 045.4 225.5 Little Backbone Creek Inlet June 22, 1983 @ 1300 Hrs. Secchi 3.5m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|-----|------|-------|------|
| Surf. | 22.8 | 8.3 | 7.7 | 76 | 1.8 | 34 | 66 | 8.7 | 9.4 | | | | |
| 1 | 22.6 | 8.3 | | | | | 67 | 8.7 | 9.4 | | | | |
| 2 | 22.4 | 8.3 | | | | | 68 | 8.6 | 9.4 | | | | |
| 3 | 22.1 | 8.4 | 7.7 | 76 | 1.5 | - | 69 | 8.5 | 9.4 | | | | |
| 4 | 21.6 | 8.4 | | | | | 70 | 8.5 | 9.4 | 7.3 | - | - | - |
| 5 | 21.4 | 8.4 | | | | | 71 | 8.5 | 9.4 | | | | |
| 6 | 21.2 | 8.4 | 7.7 | 78 | 1.6 | 36 | 72 | 8.4 | 9.4 | | | | |
| 7 | 21.0 | 8.4 | | | | | 73 | 8.4 | 9.4 | | | | |
| 8 | 20.8 | 8.4 | | | | | 74 | 8.4 | 9.4 | | | | |
| 9 | 19.8 | 8.5 | 7.7 | 79 | 1.7 | - | 75 | 8.4 | 9.4 | 7.3 | 84 | 5.0 | 37 |
| 10 | 16.8 | 8.8 | | | | | 76 | 8.4 | 9.4 | | | | |
| 11 | 15.7 | 8.9 | | | | | 77 | 8.4 | 9.4 | | | | |
| 12 | 14.9 | 8.9 | 7.4 | 94 | 2.4 | 45 | 77.2 | - | - | | | | |
| 13 | 14.4 | 8.9 | | | | | | | | | | | |
| 14 | 14.0 | 8.9 | | | | | | | | | | | |
| 15 | 13.6 | 8.9 | 7.4 | 82 | 2.4 | - | | | | | | | |
| 16 | 13.1 | 8.9 | | | | | | | | | | | |
| 17 | 12.9 | 8.9 | | | | | | | | | | | |
| 18 | 12.6 | 8.9 | 7.4 | 84 | 2.6 | 37 | | | | | | | |
| 19 | 12.4 | 9.0 | | | | | | | | | | | |
| 20 | 12.3 | 9.0 | | | | | | | | | | | |
| 21 | 12.1 | 9.0 | 7.4 | 82 | 2.6 | - | | | | | | | |
| 22 | 11.9 | 9.1 | | | | | | | | | | | |
| 23 | 11.8 | 9.1 | | | | | | | | | | | |
| 24 | 11.8 | 9.1 | 7.4 | 77 | 2.4 | 34 | | | | | | | |
| 25 | 11.3 | 9.2 | | | | | | | | | | | |
| 26 | 11.1 | 9.2 | | | | | | | | | | | |
| 27 | 11.0 | 9.2 | 7.3 | 77 | 2.4 | - | | | | | | | |
| 28 | 11.0 | 9.2 | | | | | | | | | | | |
| 29 | 10.9 | 9.2 | | | | | | | | | | | |
| 30 | 10.8 | 9.2 | 7.3 | 81 | 2.6 | 36 | | | | | | | |
| 31 | 10.6 | 9.2 | | | | | | | | | | | |
| 32 | 10.5 | 9.2 | | | | | | | | | | | |
| 33 | 10.4 | 9.2 | | | | | | | | | | | |
| 34 | 10.3 | 9.3 | | | | | | | | | | | |
| 35 | 10.3 | 9.3 | 7.3 | 84 | 2.7 | - | | | | | | | |
| 36 | 10.1 | 9.3 | | | | | | | | | | | |
| 37 | 10.0 | 9.3 | | | | | | | | | | | |
| 38 | 10.0 | 9.3 | | | | | | | | | | | |
| 39 | 9.9 | 9.3 | | | | | | | | | | | |
| 40 | 9.9 | 9.3 | 7.3 | 80 | 4.0 | 36 | | | | | | | |
| 41 | 9.8 | 9.3 | | | | | | | | | | | |
| 42 | 9.7 | 9.3 | | | | | | | | | | | |
| 43 | 9.7 | 9.3 | | | | | | | | | | | |
| 44 | 9.5 | 9.3 | | | | | | | | | | | |
| 45 | 9.5 | 9.3 | 7.3 | 83 | 3.4 | - | | | | | | | |
| 46 | 9.4 | 9.3 | | | | | | | | | | | |
| 47 | 9.2 | 9.4 | | | | | | | | | | | |
| 48 | 9.2 | 9.4 | | | | | | | | | | | |
| 49 | 9.2 | 9.4 | | | | | | | | | | | |
| 50 | 9.1 | 9.4 | 7.3 | 82 | 3.8 | 37 | | | | | | | |
| 51 | 9.1 | 9.4 | | | | | | | | | | | |
| 52 | 9.0 | 9.4 | | | | | | | | | | | |
| 53 | 9.0 | 9.4 | | | | | | | | | | | |
| 54 | 9.0 | 9.4 | | | | | | | | | | | |
| 55 | 9.0 | 9.5 | 7.3 | 83 | 4.2 | - | | | | | | | |
| 56 | 9.0 | 9.5 | | | | | | | | | | | |
| 57 | 9.0 | 9.5 | | | | | | | | | | | |
| 58 | 8.9 | 9.5 | | | | | | | | | | | |
| 59 | 8.9 | 9.4 | | | | | | | | | | | |
| 60 | 8.9 | 9.4 | 7.3 | 82 | 4.8 | 39 | | | | | | | |
| 61 | 8.8 | 9.4 | | | | | | | | | | | |
| 62 | 8.8 | 9.4 | | | | | | | | | | | |
| 63 | 8.7 | 9.4 | | | | | | | | | | | |
| 64 | 8.7 | 9.4 | | | | | | | | | | | |
| 65 | 8.7 | 9.4 | 7.3 | 81 | 4.8 | - | | | | | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 046.4 212.9 Squaw Creek Arm June 24, 1983 @ 0900 Hrs. Secchi 4.6m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|-----|--------|-------|------|
| Surf. | 22.3 | 8.5 | 7.9 | 103 | 1 | 45 | 66 | 8.7 | 9.2 | | | | |
| 1 | 22.3 | 8.5 | | | | | 67 | 8.7 | 9.2 | | | | |
| 2 | 22.3 | 8.5 | | | | | 68 | 8.7 | 9.1 | | | | |
| 3 | 22.2 | 8.5 | 7.9 | 100 | 1 | 45 | 69 | 8.7 | 9.1 | | | | |
| 4 | 22.0 | 8.5 | | | | | 70 | 8.6 | 9.1 | 7.3 | 115 | 2 | 49 |
| 5 | 21.9 | 8.4 | | | | | 71 | 8.6 | 9.1 | | | | |
| 6 | 21.7 | 8.4 | 7.8 | 104 | 1 | - | 72 | 8.6 | 9.1 | | | | |
| 7 | 21.4 | 8.3 | | | | | 73 | 8.5 | 9.1 | | | | |
| 8 | 19.9 | 8.3 | | | | | 74 | 8.5 | 9.0 | | | | |
| 9 | 17.0 | 8.3 | 7.4 | 116 | 1 | - | 75 | 8.5 | 9.0 | 7.3 | 117 | 2 | 51 |
| 10 | 16.2 | 8.4 | | | | | 76 | 8.5 | 9.0 | | | | |
| 11 | 16.6 | 8.4 | | | | | 77 | 8.5 | 9.0 | | | | |
| 12 | 16.2 | 8.4 | 7.4 | 118 | 1 | 53 | 78 | 8.4 | 9.0 | | | | |
| 13 | 16.0 | 8.5 | | | | | 79 | 8.4 | 8.7 | | | | |
| 14 | 15.7 | 8.5 | | | | | 80 | 8.4 | 8.5 | | | | |
| 15 | 15.2 | 8.5 | 7.3 | 118 | 1 | - | 81 | 8.3 | 8.1 | | | | |
| 16 | 15.1 | 8.5 | | | | | 81.3 | - | - | - | Bottom | | |
| 17 | 14.6 | 8.6 | | | | | | | | | | | |
| 18 | 13.9 | 8.6 | 7.3 | 114 | 2 | - | | | | | | | |
| 19 | 13.1 | 8.7 | | | | | | | | | | | |
| 20 | 12.7 | 9.0 | | | | | | | | | | | |
| 21 | 12.1 | 9.0 | 7.3 | 105 | 3 | 48 | | | | | | | |
| 22 | 11.7 | 9.1 | | | | | | | | | | | |
| 23 | 11.5 | 9.1 | | | | | | | | | | | |
| 24 | 11.4 | 9.1 | 7.3 | 102 | 2 | - | | | | | | | |
| 25 | 11.3 | 9.1 | | | | | | | | | | | |
| 26 | 11.3 | 9.1 | | | | | | | | | | | |
| 27 | 11.2 | 9.1 | 7.3 | 108 | 2 | - | | | | | | | |
| 28 | 11.1 | 9.1 | | | | | | | | | | | |
| 29 | 11.0 | 9.0 | | | | | | | | | | | |
| 30 | 10.9 | 9.0 | 7.3 | 111 | 2 | 49 | | | | | | | |
| 31 | 10.9 | 9.0 | | | | | | | | | | | |
| 32 | 10.7 | 9.1 | | | | | | | | | | | |
| 33 | 10.5 | 9.1 | | | | | | | | | | | |
| 34 | 10.4 | 9.1 | | | | | | | | | | | |
| 35 | 10.4 | 9.1 | 7.3 | 114 | 2 | - | | | | | | | |
| 36 | 10.2 | 9.1 | | | | | | | | | | | |
| 37 | 10.1 | 9.1 | | | | | | | | | | | |
| 38 | 10.1 | 9.1 | | | | | | | | | | | |
| 39 | 10.0 | 9.2 | | | | | | | | | | | |
| 40 | 10.0 | 9.2 | 7.3 | 113 | 2 | 48 | | | | | | | |
| 41 | 9.9 | 9.2 | | | | | | | | | | | |
| 42 | 9.9 | 9.2 | | | | | | | | | | | |
| 43 | 9.8 | 9.3 | | | | | | | | | | | |
| 44 | 9.7 | 9.2 | | | | | | | | | | | |
| 45 | 9.7 | 9.2 | 7.3 | 114 | 2 | - | | | | | | | |
| 46 | 9.6 | 9.1 | | | | | | | | | | | |
| 47 | 9.4 | 9.2 | | | | | | | | | | | |
| 48 | 9.4 | 9.2 | | | | | | | | | | | |
| 49 | 9.2 | 9.2 | | | | | | | | | | | |
| 50 | 9.1 | 9.2 | 7.3 | 111 | 3 | 51 | | | | | | | |
| 51 | 9.1 | 9.2 | | | | | | | | | | | |
| 52 | 9.1 | 9.2 | | | | | | | | | | | |
| 53 | 9.1 | 9.2 | | | | | | | | | | | |
| 54 | 9.1 | 9.2 | | | | | | | | | | | |
| 55 | 9.1 | 9.2 | 7.3 | 117 | 2 | - | | | | | | | |
| 56 | 9.1 | 9.2 | | | | | | | | | | | |
| 57 | 9.1 | 9.2 | | | | | | | | | | | |
| 58 | 9.0 | 9.2 | | | | | | | | | | | |
| 59 | 9.0 | 9.2 | | | | | | | | | | | |
| 60 | 9.0 | 9.2 | 7.3 | 115 | 5 | 49 | | | | | | | |
| 61 | 9.0 | 9.2 | | | | | | | | | | | |
| 62 | 8.9 | 9.2 | | | | | | | | | | | |
| 63 | 8.9 | 9.2 | | | | | | | | | | | |
| 64 | 8.8 | 9.2 | | | | | | | | | | | |
| 65 | 8.8 | 9.2 | 7.3 | 116 | 2 | - | | | | | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 045.4 225.5 Little Backbone Creek Inlet July 27, 1983 @ 1200 Hrs. Secchi 2.6m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|--------|------|-------|------|
| Surf. | 24.8 | 8.1 | 7.8 | 88 | 1.8 | 39 |
| 1 | 24.3 | 8.1 | | | | |
| 2 | 24.0 | 8.1 | | | | |
| 3 | 23.5 | 8.1 | 7.9 | 89 | 1.6 | 39 |
| 4 | 23.2 | 8.2 | | | | |
| 5 | 23.1 | 8.2 | | | | |
| 6 | 23.0 | 8.2 | 7.9 | 90 | 1.4 | - |
| 7 | 22.9 | 8.1 | | | | |
| 8 | 22.7 | 8.1 | | | | |
| 9 | 22.2 | 8.0 | 7.7 | 89 | 1.6 | - |
| 10 | 20.3 | 7.6 | | | | |
| 11 | 18.2 | 7.2 | | | | |
| 12 | 17.3 | 7.2 | 7.3 | 106 | 1.7 | 49 |
| 13 | 16.9 | 7.1 | | | | |
| 14 | 16.3 | 7.2 | | | | |
| 15 | 16.1 | 7.2 | 7.3 | 105 | 1.9 | - |
| 16 | 16.0 | 7.2 | | | | |
| 17 | 15.8 | 7.2 | | | | |
| 18 | 15.5 | 7.3 | 7.3 | 103 | 2.0 | - |
| 19 | 15.3 | 7.3 | | | | |
| 20 | 15.0 | 7.4 | | | | |
| 21 | 14.9 | 7.5 | 7.3 | 100 | 2.2 | 47 |
| 22 | 14.6 | 7.6 | | | | |
| 23 | 14.2 | 7.6 | | | | |
| 24 | 13.9 | 7.8 | 7.2 | 93 | 2.4 | - |
| 25 | 13.6 | 7.8 | | | | |
| 26 | 13.2 | 7.9 | | | | |
| 27 | 13.0 | 8.1 | 7.2 | 88 | 2.4 | - |
| 28 | 12.9 | 8.0 | | | | |
| 29 | 12.5 | 8.2 | | | | |
| 30 | 12.2 | 8.2 | 7.2 | 88 | 2.4 | 38 |
| 31 | 12.1 | 8.3 | | | | |
| 32 | 12.0 | 8.4 | | | | |
| 33 | 11.9 | 8.3 | | | | |
| 34 | 11.5 | 8.3 | | | | |
| 35 | 11.3 | 8.4 | 7.2 | 81 | 3.1 | - |
| 36 | 11.3 | 8.4 | | | | |
| 37 | 11.1 | 8.4 | | | | |
| 38 | 11.0 | 8.4 | | | | |
| 39 | 11.0 | 8.4 | | | | |
| 40 | 11.0 | 8.4 | 7.2 | 81 | 3.5 | 35 |
| 41 | 10.9 | 8.4 | | | | |
| 42 | 10.9 | 8.4 | | | | |
| 43 | 10.8 | 8.4 | | | | |
| 44 | 10.8 | 8.5 | | | | |
| 45 | 10.6 | 8.5 | 7.2 | 81 | 3.2 | - |
| 46 | 10.4 | 8.5 | | | | |
| 47 | 10.4 | 8.5 | | | | |
| 48 | 10.3 | 8.5 | | | | |
| 49 | 10.2 | 8.5 | | | | |
| 50 | 10.2 | 8.5 | 7.2 | 84 | 3.5 | 35 |
| 51 | 10.1 | 8.5 | | | | |
| 52 | 10.0 | 8.5 | | | | |
| 53 | 10.0 | 8.3 | | | | |
| 54 | 10.0 | 8.4 | 7.1 | | | |
| 55 | 10.0 | 8.4 | Bottom | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 045.4 225.5 Little Backbone Creek Inlet August 24, 1983 @ 1145 Hrs. Secchi 3.4m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|-----|------|--------|------|
| Surf. | 24.5 | 7.6 | 7.6 | 94 | 1.8 | 41 | 66 | 9.2 | 8.0 | | | | |
| 1 | 24.5 | 7.5 | | | | | 67 | 9.2 | 8.0 | | | | |
| 2 | 24.2 | 7.6 | | | | | 68 | 9.2 | 8.0 | 7.1 | 89 | 3.6 | 36 |
| 3 | 24.1 | 7.5 | 7.8 | 94 | 1.7 | - | 69 | 9.0 | 8.0 | | | | |
| 4 | 24.1 | 7.5 | | | | | 69.4 | - | - | | | Bottom | |
| 5 | 24.0 | 7.5 | | | | | | | | | | | |
| 6 | 24.0 | 7.5 | 7.8 | 94 | 1.7 | - | | | | | | | |
| 7 | 23.9 | 7.5 | | | | | | | | | | | |
| 8 | 23.9 | 7.4 | | | | | | | | | | | |
| 9 | 23.5 | 7.2 | 7.6 | 96 | 1.6 | 39 | | | | | | | |
| 10 | 21.6 | 6.3 | | | | | | | | | | | |
| 11 | 19.8 | 6.0 | | | | | | | | | | | |
| 12 | 18.5 | 5.9 | 7.1 | 109 | 1.6 | - | | | | | | | |
| 13 | 17.9 | 6.0 | | | | | | | | | | | |
| 14 | 17.4 | 6.0 | | | | | | | | | | | |
| 15 | 17.1 | 6.1 | 7.1 | 111 | 1.8 | - | | | | | | | |
| 16 | 16.9 | 6.1 | | | | | | | | | | | |
| 17 | 16.8 | 6.2 | | | | | | | | | | | |
| 18 | 16.5 | 6.3 | 7.2 | 115 | 1.8 | 50 | | | | | | | |
| 19 | 16.3 | 6.3 | | | | | | | | | | | |
| 20 | 16.1 | 6.3 | | | | | | | | | | | |
| 21 | 15.9 | 6.3 | 7.2 | 116 | 1.8 | - | | | | | | | |
| 22 | 15.8 | 6.5 | | | | | | | | | | | |
| 23 | 15.6 | 6.5 | | | | | | | | | | | |
| 24 | 15.4 | 6.7 | 7.2 | 110 | 2.0 | - | | | | | | | |
| 25 | 15.2 | 6.6 | | | | | | | | | | | |
| 26 | 15.1 | 6.7 | | | | | | | | | | | |
| 27 | 14.9 | 6.7 | 7.2 | 108 | 2.2 | 39 | | | | | | | |
| 28 | 14.6 | 6.9 | | | | | | | | | | | |
| 29 | 14.3 | 7.1 | | | | | | | | | | | |
| 30 | 14.1 | 7.1 | 7.2 | 95 | 2.4 | - | | | | | | | |
| 31 | 13.8 | 7.3 | | | | | | | | | | | |
| 32 | 13.5 | 7.4 | | | | | | | | | | | |
| 33 | 13.2 | 7.6 | | | | | | | | | | | |
| 34 | 12.9 | 7.6 | | | | | | | | | | | |
| 35 | 12.7 | 7.6 | 7.2 | 90 | 2.6 | - | | | | | | | |
| 36 | 12.4 | 7.7 | | | | | | | | | | | |
| 37 | 12.2 | 7.8 | | | | | | | | | | | |
| 38 | 12.0 | 7.8 | | | | | | | | | | | |
| 39 | 11.8 | 8.0 | | | | | | | | | | | |
| 40 | 11.7 | 8.0 | 7.2 | 87 | 2.8 | 39 | | | | | | | |
| 41 | 11.6 | 8.0 | | | | | | | | | | | |
| 42 | 11.4 | 8.0 | | | | | | | | | | | |
| 43 | 11.2 | 8.1 | | | | | | | | | | | |
| 44 | 11.1 | 8.1 | | | | | | | | | | | |
| 45 | 10.9 | 8.1 | 7.2 | 86 | 2.8 | - | | | | | | | |
| 46 | 10.9 | 8.1 | | | | | | | | | | | |
| 47 | 10.8 | 8.1 | | | | | | | | | | | |
| 48 | 10.7 | 8.2 | | | | | | | | | | | |
| 49 | 10.6 | 8.2 | | | | | | | | | | | |
| 50 | 10.6 | 8.2 | 7.3 | 88 | 3.0 | - | | | | | | | |
| 51 | 10.5 | 8.1 | | | | | | | | | | | |
| 52 | 10.4 | 8.1 | | | | | | | | | | | |
| 53 | 10.3 | 8.1 | | | | | | | | | | | |
| 54 | 10.3 | 8.1 | | | | | | | | | | | |
| 55 | 10.1 | 8.2 | 7.1 | 87 | 3.1 | 35 | | | | | | | |
| 56 | 10.1 | 8.2 | | | | | | | | | | | |
| 57 | 10.0 | 8.1 | | | | | | | | | | | |
| 58 | 9.9 | 8.1 | | | | | | | | | | | |
| 59 | 9.9 | 8.2 | | | | | | | | | | | |
| 60 | 9.8 | 8.2 | 7.0 | 88 | 9.3 | - | | | | | | | |
| 61 | 9.6 | 8.2 | | | | | | | | | | | |
| 62 | 9.5 | 8.2 | | | | | | | | | | | |
| 63 | 9.4 | 8.1 | | | | | | | | | | | |
| 64 | 9.4 | 8.1 | | | | | | | | | | | |
| 65 | 9.3 | 8.1 | 7.0 | 90 | 4.2 | - | | | | | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 045.4 225.5 Little Backbone Creek Inlet
October 3, 1983 @ 0810 Hrs. Secchi 5.3m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|--------|------|-------|------|
| Surf. | 19.8 | 8.2 | 8.0 | 104 | 0.4 | 43 |
| 1 | 19.8 | 8.2 | | | | |
| 2 | 19.8 | 8.2 | | | | |
| 3 | 19.8 | 8.2 | 7.6 | 104 | 0.5 | - |
| 4 | 19.8 | 8.2 | | | | |
| 5 | 19.8 | 8.1 | | | | |
| 6 | 19.8 | 8.1 | 7.6 | 104 | 0.5 | - |
| 7 | 19.8 | 8.1 | | | | |
| 8 | 19.8 | 8.1 | | | | |
| 9 | 19.8 | 8.1 | 7.4 | 105 | 0.6 | 45 |
| 10 | 19.8 | 8.1 | | | | |
| 11 | 19.8 | 8.1 | | | | |
| 12 | 19.8 | 8.0 | 7.1 | 114 | 0.5 | - |
| 13 | 19.8 | 8.0 | | | | |
| 14 | 19.8 | 7.8 | | | | |
| 15 | 18.8 | 5.9 | 7.4 | 105 | 0.5 | - |
| 16 | 17.4 | 5.4 | | | | |
| 17 | 17.0 | 5.7 | | | | |
| 18 | 16.9 | 5.6 | 7.0 | 121 | 0.6 | 57 |
| 19 | 16.8 | 5.4 | | | | |
| 20 | 16.5 | 5.4 | | | | |
| 21 | 16.2 | 5.7 | 7.0 | 119 | 0.7 | - |
| 22 | 16.1 | 5.8 | | | | |
| 23 | 16.0 | 5.8 | | | | |
| 24 | 15.9 | 5.9 | 7.0 | 117 | 0.8 | - |
| 25 | 15.9 | 6.0 | | | | |
| 26 | 15.8 | 6.1 | | | | |
| 27 | 15.7 | 6.1 | 7.0 | 115 | 0.9 | 55 |
| 28 | 15.6 | 6.2 | | | | |
| 29 | 15.5 | 6.1 | | | | |
| 30 | 15.4 | 6.1 | 7.0 | 114 | 1.0 | - |
| 31 | 15.2 | 6.1 | | | | |
| 32 | 15.1 | 6.1 | | | | |
| 33 | 15.0 | 6.2 | | | | |
| 34 | 14.9 | 6.3 | | | | |
| 35 | 14.8 | 6.5 | 7.0 | 109 | 1.7 | - |
| 36 | 14.8 | 6.6 | | | | |
| 37 | 14.7 | 6.5 | | | | |
| 38 | 14.4 | 6.6 | | | | |
| 39 | 14.2 | 6.8 | | | | |
| 40 | 14.0 | 6.8 | 7.0 | 103 | 1.4 | 44 |
| 41 | 13.8 | 7.0 | | | | |
| 42 | 13.7 | 7.2 | | | | |
| 43 | 13.6 | 7.1 | | | | |
| 44 | 13.5 | 7.1 | | | | |
| 45 | 13.3 | 7.2 | 6.8 | 98 | 1.1 | - |
| 46 | 13.3 | 7.1 | | | | |
| 47 | 13.2 | 7.1 | | | | |
| 48 | 13.1 | 6.8 | 6.8 | 97 | 1.9 | 41 |
| 49 | 13.1 | 6.8 | | | | |
| 49.2 | - | - | Bottom | | | |

Sta. A2L 045.4 225.5 Little Backbone Creek Inlet
October 26, 1983 @ 0815 Hrs. Secchi 6.4m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|--------|------|-------|------|
| Surf. | 17.8 | 8.7 | 7.4 | 107 | 0.6 | 48 |
| 1 | 17.8 | 8.7 | | | | |
| 2 | 17.8 | 8.7 | | | | |
| 3 | 17.8 | 8.6 | 7.4 | 108 | 0.5 | - |
| 4 | 17.8 | 8.6 | | | | |
| 5 | 17.8 | 8.6 | | | | |
| 6 | 17.8 | 8.6 | 7.4 | 107 | 0.4 | - |
| 7 | 17.8 | 8.6 | | | | |
| 8 | 17.8 | 8.6 | | | | |
| 9 | 17.8 | 8.6 | 7.4 | 107 | 0.5 | 46 |
| 10 | 17.8 | 8.6 | | | | |
| 11 | 17.8 | 8.6 | | | | |
| 12 | 17.8 | 8.6 | 7.4 | 108 | 0.5 | - |
| 13 | 17.8 | 8.6 | | | | |
| 14 | 17.8 | 8.6 | | | | |
| 15 | 17.8 | 8.5 | 7.4 | 108 | 0.4 | - |
| 16 | 17.8 | 8.4 | | | | |
| 17 | 17.6 | 8.3 | | | | |
| 18 | 17.4 | 7.8 | 7.3 | 109 | 0.5 | 48 |
| 19 | 17.0 | 5.3 | | | | |
| 20 | 16.3 | 5.7 | | | | |
| 21 | 16.2 | 6.0 | 7.1 | 118 | 0.5 | - |
| 22 | 16.1 | 6.1 | | | | |
| 23 | 16.0 | 5.9 | | | | |
| 24 | 16.0 | 5.7 | 7.1 | 117 | 0.5 | - |
| 25 | 15.9 | 6.0 | | | | |
| 26 | 15.8 | 6.0 | | | | |
| 27 | 15.6 | 5.9 | 7.1 | 115 | 0.6 | 53 |
| 28 | 15.5 | 6.2 | | | | |
| 29 | 15.3 | 6.2 | | | | |
| 30 | 15.2 | 6.7 | 7.1 | 112 | 0.8 | - |
| 31 | 15.1 | 6.5 | | | | |
| 32 | 15.0 | 6.7 | | | | |
| 33 | 15.0 | 6.7 | | | | |
| 34 | 14.9 | 6.8 | | | | |
| 35 | 14.9 | 6.7 | 7.1 | 108 | 1.1 | - |
| 36 | 14.8 | 7.0 | | | | |
| 37 | 14.7 | 7.0 | | | | |
| 38 | 14.7 | 7.1 | | | | |
| 39 | 14.5 | 7.3 | | | | |
| 40 | 14.4 | 7.3 | 7.1 | 106 | 1.0 | 45 |
| 41 | 14.4 | 7.2 | | | | |
| 42 | 14.3 | 7.1 | | | | |
| 43 | 14.2 | 7.3 | | | | |
| 44 | 14.2 | 7.2 | | | | |
| 45 | 14.2 | 7.1 | 7.0 | 103 | 1.0 | - |
| 46 | 14.1 | 6.9 | | | | |
| 47 | 14.0 | 7.0 | | | | |
| 48 | 14.0 | 7.1 | | | | |
| 49 | 13.9 | 7.0 | | | | |
| 50 | 13.9 | 7.2 | 7.0 | 101 | 1.8 | - |
| 51 | 13.7 | 7.1 | | | | |
| 52 | 13.5 | 7.0 | | | | |
| 53 | 13.4 | 7.1 | | | | |
| 54 | 13.2 | 7.1 | 6.9 | 99 | 1.6 | 41 |
| 55 | 13.1 | 7.1 | | | | |
| 55.7 | 13.1 | 7.1 | Bottom | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 045.4 225.5 Little Backbone Creek Inlet
December 20, 1983 @ 0845 Hrs. Secchi 4.6m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|--------|------|-------|------|
| Surf. | 12.0 | 9.6 | 7.3 | 107 | 1.0 | 46 |
| 1 | 12.0 | 9.6 | | | | |
| 2 | 12.1 | 9.6 | | | | |
| 3 | 12.1 | 9.6 | 7.2 | 106 | 1.0 | - |
| 4 | 12.1 | 9.6 | | | | |
| 5 | 12.1 | 9.6 | | | | |
| 6 | 12.1 | 9.6 | 7.2 | 106 | 1.0 | - |
| 7 | 12.1 | 9.6 | | | | |
| 8 | 12.1 | 9.6 | | | | |
| 9 | 12.1 | 9.6 | 7.2 | 106 | 1.2 | 46 |
| 10 | 12.1 | 9.6 | | | | |
| 11 | 12.1 | 9.6 | | | | |
| 12 | 12.1 | 9.6 | 7.2 | 106 | 1.2 | - |
| 13 | 12.1 | 9.6 | | | | |
| 14 | 12.1 | 9.5 | | | | |
| 15 | 12.1 | 9.5 | 7.2 | 106 | 1.3 | - |
| 16 | 12.1 | 9.5 | | | | |
| 17 | 12.1 | 9.5 | | | | |
| 18 | 12.1 | 9.5 | 7.2 | 106 | 1.3 | 45 |
| 19 | 12.1 | 9.5 | | | | |
| 20 | 12.1 | 9.5 | | | | |
| 21 | 12.0 | 9.5 | 7.2 | 106 | 1.3 | - |
| 22 | 12.0 | 9.5 | | | | |
| 23 | 12.0 | 9.5 | | | | |
| 24 | 12.0 | 9.6 | 7.2 | 106 | 1.2 | - |
| 25 | 12.0 | 9.6 | | | | |
| 26 | 12.0 | 9.6 | | | | |
| 27 | 12.0 | 9.6 | 7.2 | 106 | 1.3 | 45 |
| 28 | 12.0 | 9.6 | | | | |
| 29 | 12.0 | 9.6 | | | | |
| 30 | 12.0 | 9.6 | 7.2 | 106 | 1.4 | - |
| 31 | 12.0 | 9.6 | | | | |
| 32 | 11.9 | 9.6 | | | | |
| 33 | 11.8 | 9.7 | | | | |
| 34 | 11.7 | 9.7 | | | | |
| 35 | 11.6 | 9.7 | 7.2 | 99 | 1.6 | - |
| 36 | 11.4 | 9.6 | | | | |
| 37 | 11.4 | 9.6 | | | | |
| 38 | 11.3 | 9.6 | | | | |
| 39 | 11.2 | 9.4 | | | | |
| 40 | 11.2 | 9.2 | 7.2 | 102 | 2.1 | 43 |
| 41 | 11.1 | 9.0 | | | | |
| 42 | 10.9 | 8.9 | | | | |
| 43 | 10.8 | 9.1 | | | | |
| 44 | 10.7 | 9.0 | | | | |
| 45 | 10.5 | 9.2 | 7.1 | 110 | 3.3 | - |
| 46 | 10.5 | 9.3 | | | | |
| 47 | 10.4 | 9.4 | | | | |
| 48 | 10.4 | 9.3 | | | | |
| 49 | 10.3 | 9.1 | | | | |
| 50 | 10.3 | 9.0 | 7.1 | 113 | 3.4 | - |
| 51 | 10.2 | - | | | | |
| 52 | 10.2 | - | | | | |
| 53 | 10.2 | - | | | | |
| 54 | 10.3 | - | | | | |
| 55 | 10.2 | 9.2 | 7.0 | 113 | 4.0 | 49 |
| 56 | 10.2 | - | | | | |
| 56.7 | - | - | Bottom | | | |

Sta. A2L 045.4 225.5 Little Backbone Creek Inlet
January 24, 1984 @ 1100 Hrs. Secchi 5.4m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|--------|------|-------|------|
| Surf. | 9.7 | 10.5 | 7.2 | 96 | 0.8 | 43 |
| 1 | 9.6 | 10.5 | | | | |
| 2 | 9.6 | 10.5 | | | | |
| 3 | 9.6 | 10.5 | 7.2 | 98 | 0.9 | - |
| 4 | 9.6 | 10.6 | | | | |
| 5 | 9.6 | 10.6 | | | | |
| 6 | 9.5 | 10.6 | 7.2 | 97 | 1.0 | - |
| 7 | 9.5 | 10.5 | | | | |
| 8 | 9.5 | 10.5 | | | | |
| 9 | 9.5 | 10.5 | 7.2 | 97 | 0.7 | 42 |
| 10 | 9.5 | 10.5 | | | | |
| 11 | 9.5 | 10.4 | | | | |
| 12 | 9.5 | 10.4 | 7.2 | 98 | 0.8 | - |
| 13 | 9.5 | 10.4 | | | | |
| 14 | 9.5 | 10.4 | | | | |
| 15 | 9.5 | 10.4 | 7.2 | 97 | 0.9 | - |
| 16 | 9.5 | 10.4 | | | | |
| 17 | 9.5 | 10.4 | | | | |
| 18 | 9.5 | 10.4 | 7.2 | 97 | 0.9 | 42 |
| 19 | 9.5 | 10.4 | | | | |
| 20 | 9.5 | 10.4 | | | | |
| 21 | 9.4 | 10.4 | 7.2 | 96 | 1.1 | - |
| 22 | 9.4 | 10.4 | | | | |
| 23 | 9.5 | 10.4 | | | | |
| 24 | 9.5 | 10.4 | 7.2 | 97 | 1.0 | - |
| 25 | 9.5 | 10.4 | | | | |
| 26 | 9.5 | 10.4 | | | | |
| 27 | 9.5 | 10.4 | 7.2 | 97 | 1.0 | 43 |
| 28 | 9.5 | 10.4 | | | | |
| 29 | 9.5 | 10.4 | | | | |
| 30 | 9.5 | 10.4 | 7.2 | 97 | 0.9 | - |
| 31 | 9.4 | 10.4 | | | | |
| 32 | 9.4 | 10.4 | | | | |
| 33 | 9.4 | 10.4 | | | | |
| 34 | 9.4 | 10.4 | | | | |
| 35 | 9.3 | 10.4 | 7.2 | 96 | 1.3 | - |
| 36 | 9.3 | 10.4 | | | | |
| 37 | 9.2 | 10.3 | | | | |
| 38 | 9.1 | 10.2 | | | | |
| 39 | 9.0 | 10.2 | | | | |
| 40 | 9.0 | 10.2 | 7.2 | 101 | 3.2 | 45 |
| 41 | 8.9 | 10.2 | | | | |
| 42 | 8.9 | 10.2 | | | | |
| 43 | 8.8 | 10.1 | 7.2 | 98 | 2.2 | 44 |
| 43.5 | - | - | Bottom | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 045.4 225.5 Little Backbone Creek Inlet

February 28, 1984 @ 1300 Hrs. Secchi 3.1m

Depth(m) Temp.(°C) D.O. pH E.C. Turb. Alk.

| | | | | | | |
|-------|-----|------|--------|----|-----|----|
| Surf. | 9.5 | 11.3 | 7.3 | 94 | 1.3 | 37 |
| 1 | 9.5 | 11.4 | | | | |
| 2 | 9.2 | 11.4 | | | | |
| 3 | 9.1 | 11.3 | 7.3 | 95 | 1.2 | - |
| 4 | 9.0 | 11.2 | | | | |
| 5 | 9.0 | 11.0 | | | | |
| 6 | 9.0 | 11.0 | 7.3 | 96 | 1.4 | - |
| 7 | 8.9 | 10.9 | | | | |
| 8 | 8.9 | 10.9 | | | | |
| 9 | 8.8 | 10.9 | 7.3 | 95 | 1.5 | 43 |
| 10 | 8.8 | 10.9 | | | | |
| 11 | 8.8 | 10.9 | | | | |
| 12 | 8.8 | 10.9 | 7.3 | 96 | 1.5 | - |
| 13 | 8.8 | 10.9 | | | | |
| 14 | 8.8 | 10.9 | | | | |
| 15 | 8.8 | 10.9 | 7.3 | 96 | 1.3 | - |
| 16 | 8.8 | 10.8 | | | | |
| 17 | 8.8 | 10.8 | | | | |
| 18 | 8.8 | 10.8 | 7.2 | 96 | 1.5 | 41 |
| 19 | 8.8 | 10.8 | | | | |
| 20 | 8.8 | 10.8 | | | | |
| 21 | 8.8 | 10.8 | 7.2 | 97 | 1.5 | - |
| 22 | 8.8 | 10.8 | | | | |
| 23 | 8.8 | 10.7 | | | | |
| 24 | 8.7 | 10.7 | 7.2 | 96 | 1.5 | - |
| 25 | 8.7 | 10.7 | | | | |
| 26 | 8.7 | 10.7 | | | | |
| 27 | 8.7 | 10.7 | 7.2 | 96 | 1.4 | 39 |
| 28 | 8.7 | 10.7 | | | | |
| 29 | 8.7 | 10.7 | | | | |
| 30 | 8.7 | 10.7 | 7.2 | 96 | 1.5 | - |
| 31 | 8.6 | 10.7 | | | | |
| 32 | 8.7 | 10.7 | | | | |
| 33 | 8.6 | 10.7 | | | | |
| 34 | 8.5 | 10.7 | | | | |
| 35 | 8.5 | 10.6 | 7.2 | 95 | 1.7 | 41 |
| 36 | 8.1 | 10.6 | | | | |
| 37 | 8.0 | 10.5 | | | | |
| 38 | 8.0 | 10.5 | | | | |
| 39 | 8.0 | 10.5 | | | | |
| 40 | 7.9 | 10.5 | 7.2 | 98 | 2.6 | - |
| 41 | 7.8 | 10.5 | | | | |
| 42 | 7.7 | 10.5 | | | | |
| 43 | 7.8 | 10.3 | | | | |
| 44 | 7.9 | 10.4 | | | | |
| 45 | 7.9 | 10.1 | 7.2 | 95 | 1.7 | 42 |
| 46 | - | - | Bottom | | | |

Sta. A2L 045.4 225.5 Little Backbone Creek Inlet

April 3, 1984 @ 1230 Hrs. Secchi 4.5m

Depth(m) Temp.(°C) D.O. pH E.C. Turb. Alk.

| | | | | | | |
|-------|------|------|--------|-----|-----|----|
| Surf. | 13.0 | 10.8 | 7.4 | 98 | 1.5 | 41 |
| 1 | 12.9 | 10.9 | | | | |
| 2 | 12.8 | 10.9 | | | | |
| 3 | 12.2 | 11.0 | 7.6 | 98 | 1.3 | - |
| 4 | 12.0 | 11.1 | | | | |
| 5 | 11.8 | 11.1 | | | | |
| 6 | 11.6 | 11.0 | 7.6 | 98 | 1.4 | - |
| 7 | 11.5 | 10.9 | | | | |
| 8 | 11.4 | 10.9 | | | | |
| 9 | 11.2 | 10.9 | 7.5 | 98 | 1.5 | 41 |
| 10 | 11.2 | 10.9 | | | | |
| 11 | 11.2 | 10.9 | | | | |
| 12 | 11.1 | 10.9 | 7.4 | 99 | 1.3 | - |
| 13 | 11.0 | 10.9 | | | | |
| 14 | 10.9 | 10.9 | | | | |
| 15 | 10.6 | 10.8 | 7.3 | 100 | 1.4 | - |
| 16 | 10.3 | 10.8 | | | | |
| 17 | 10.0 | 10.8 | | | | |
| 18 | 9.7 | 10.7 | 7.3 | 101 | 1.5 | 38 |
| 19 | 9.4 | 10.7 | | | | |
| 20 | 9.3 | 10.7 | | | | |
| 21 | 9.2 | 10.7 | 7.3 | 99 | 1.5 | - |
| 22 | 9.2 | 10.7 | | | | |
| 23 | 9.1 | 10.7 | | | | |
| 24 | 9.1 | 10.6 | 7.3 | 100 | 1.2 | - |
| 25 | 9.0 | 10.6 | | | | |
| 26 | 9.0 | 10.6 | | | | |
| 27 | 8.9 | 10.6 | 7.3 | 100 | 1.1 | 41 |
| 28 | 8.8 | 10.6 | | | | |
| 29 | 8.8 | 10.6 | | | | |
| 30 | 8.7 | 10.6 | 7.3 | 100 | 1.3 | - |
| 31 | 8.6 | 10.6 | | | | |
| 32 | 8.5 | 10.6 | | | | |
| 33 | 8.5 | 10.6 | | | | |
| 34 | 8.4 | 10.5 | | | | |
| 35 | 8.4 | 10.5 | 7.3 | 101 | 1.1 | - |
| 36 | 8.3 | 10.5 | | | | |
| 37 | 8.3 | 10.5 | | | | |
| 38 | 8.3 | 10.5 | | | | |
| 39 | 8.3 | 10.5 | | | | |
| 40 | 8.3 | 10.5 | 7.3 | 101 | 1.1 | 43 |
| 41 | 8.2 | 10.5 | | | | |
| 42 | 8.2 | 10.5 | | | | |
| 43 | 8.2 | 10.4 | | | | |
| 44 | 8.1 | 10.4 | | | | |
| 45 | 8.0 | 10.4 | 7.3 | 103 | 1.5 | - |
| 46 | 8.0 | 10.4 | | | | |
| 47 | 8.0 | 10.4 | | | | |
| 48 | 7.9 | 10.4 | | | | |
| 49 | 7.8 | 10.4 | | | | |
| 50 | 7.8 | 10.4 | 7.3 | 106 | 1.8 | 45 |
| 51 | 7.8 | 10.4 | | | | |
| 52 | 7.7 | 10.4 | | | | |
| 53 | 7.6 | 10.4 | | | | |
| 54 | 7.5 | 10.4 | | | | |
| 55 | 7.4 | 10.4 | 7.3 | 109 | 2.1 | - |
| 56 | 7.4 | 10.4 | | | | |
| 57 | 7.4 | 10.4 | | | | |
| 58 | 7.3 | 10.4 | | | | |
| 59 | 7.3 | 10.4 | | | | |
| 60 | 7.3 | 10.4 | 7.2 | 112 | 2.5 | 47 |
| 61 | 7.2 | 10.2 | | | | |
| 61.2 | - | - | Bottom | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 045.4 225.5 Little Backbone Creek Inlet
May 8, 1984 @ 1130 Hrs. Secchi 6.8m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|--------|------|-------|------|
| Surf. | 17.3 | 9.8 | 7.6 | 93 | 0.5 | 43 |
| 1 | 16.2 | 9.9 | | | | |
| 2 | 16.0 | 9.9 | | | | |
| 3 | 14.8 | 10.1 | 7.6 | 93 | 0.6 | - |
| 4 | 14.5 | 10.2 | | | | |
| 5 | 14.4 | 10.2 | | | | |
| 6 | 14.2 | 10.2 | 7.6 | 95 | 0.5 | - |
| 7 | 14.1 | 10.2 | | | | |
| 8 | 14.0 | 10.1 | | | | |
| 9 | 13.9 | 10.1 | 7.6 | 94 | 0.6 | 42 |
| 10 | 13.8 | 10.0 | | | | |
| 11 | 13.8 | 10.0 | | | | |
| 12 | 13.7 | 10.0 | 7.6 | 95 | 0.6 | - |
| 13 | 13.7 | 9.9 | | | | |
| 14 | 13.5 | 9.9 | | | | |
| 15 | 12.8 | 9.8 | 7.3 | 93 | 0.9 | - |
| 16 | 12.3 | 9.8 | | | | |
| 17 | 12.0 | 9.8 | | | | |
| 18 | 11.8 | 9.8 | 7.3 | - | 1.0 | 42 |
| 19 | 11.5 | 9.8 | | | | |
| 20 | 10.4 | 9.7 | | | | |
| 21 | 9.8 | 9.8 | 7.3 | 98 | 1.0 | - |
| 22 | 9.6 | 9.8 | | | | |
| 23 | 9.4 | 9.8 | | | | |
| 24 | 9.3 | 9.8 | 7.3 | 100 | 1.0 | - |
| 25 | 9.2 | 9.8 | | | | |
| 26 | 9.2 | 9.8 | | | | |
| 27 | 9.2 | 9.8 | 7.3 | 99 | 1.0 | 45 |
| 28 | 9.1 | 9.8 | | | | |
| 29 | 9.1 | 9.8 | | | | |
| 30 | 9.1 | 9.7 | 7.3 | 98 | 0.7 | - |
| 31 | 9.0 | 9.7 | | | | |
| 32 | 9.0 | 9.7 | | | | |
| 33 | 9.0 | 9.7 | | | | |
| 34 | 9.0 | 9.7 | | | | |
| 35 | 8.9 | 9.6 | 7.3 | 98 | 0.6 | 44 |
| 36 | 8.9 | 9.6 | | | | |
| 37 | 8.8 | 9.6 | | | | |
| 38 | 8.8 | 9.6 | | | | |
| 39 | 8.8 | 9.6 | | | | |
| 40 | 8.8 | 9.6 | 7.3 | 98 | 0.7 | - |
| 41 | 8.7 | 9.6 | | | | |
| 42 | 8.7 | 9.6 | 7.3 | 99 | 0.9 | 45 |
| 43 | 8.6 | 9.6 | | | | |
| 43.3 | - | - | Bottom | | | |

Sta. A2L 045.4 225.5 Little Backbone Creek Inlet
June 7, 1984 @ 1130 Hrs. Secchi 6.5m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|--------|------|-------|------|
| Surf. | 18.8 | 9.0 | 7.5 | 98 | 1.5 | 42 |
| 1 | 18.8 | 9.0 | | | | |
| 2 | 18.7 | 9.0 | | | | |
| 3 | 18.6 | 9.0 | 7.6 | 101 | 1.5 | - |
| 4 | 18.4 | 9.0 | | | | |
| 5 | 18.2 | 9.0 | | | | |
| 6 | 18.1 | 9.0 | 7.6 | 101 | 1.5 | - |
| 7 | 18.1 | 9.0 | | | | |
| 8 | 18.1 | 9.0 | | | | |
| 9 | 18.0 | 9.0 | 7.5 | 101 | 1.5 | 42 |
| 10 | 18.0 | 9.0 | | | | |
| 11 | 18.0 | 9.0 | | | | |
| 12 | 17.9 | 9.0 | 7.4 | 101 | 1.5 | - |
| 13 | 16.0 | 9.1 | | | | |
| 14 | 14.8 | 9.2 | | | | |
| 15 | 14.2 | 9.3 | 7.3 | 104 | 1.5 | 49 |
| 16 | 13.9 | 9.3 | | | | |
| 17 | 13.5 | 9.3 | | | | |
| 18 | 13.1 | 9.3 | 7.3 | 104 | 1.5 | 44 |
| 19 | 13.0 | 9.3 | | | | |
| 20 | 12.9 | 9.3 | | | | |
| 21 | 12.6 | 9.3 | 7.3 | 105 | 1.5 | 44 |
| 22 | 12.2 | 9.3 | | | | |
| 23 | 12.0 | 9.3 | | | | |
| 24 | 11.5 | 9.3 | 7.3 | 105 | 1.6 | - |
| 25 | 11.1 | 9.2 | | | | |
| 26 | 11.0 | 9.2 | | | | |
| 27 | 10.8 | 9.2 | 7.3 | 108 | 1.9 | - |
| 28 | 10.7 | 9.3 | | | | |
| 29 | 10.5 | 9.3 | | | | |
| 30 | 10.4 | 9.2 | 7.3 | 110 | 2.2 | 47 |
| 31 | 10.3 | 9.2 | | | | |
| 32 | 10.2 | 9.2 | | | | |
| 33 | 10.1 | 9.2 | | | | |
| 34 | 10.0 | 9.2 | | | | |
| 35 | 10.0 | 9.2 | 7.3 | 109 | 2.1 | - |
| 36 | 9.9 | 9.2 | | | | |
| 37 | 9.8 | 9.2 | 7.2 | 109 | 2.1 | 46 |
| 38 | 9.7 | 9.2 | | | | |
| 39 | 9.5 | 9.0 | Bottom | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 045.4 225.5 Little Backbone Creek Inlet
July 11, 1984 @ 0800 Hrs. Secchi 4.9m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|--------|------|-------|------|
| Surf. | 25.7 | 7.7 | 7.7 | 103 | 0.5 | 45 |
| 1 | 25.6 | 7.7 | | | | |
| 2 | 25.6 | 7.7 | | | | |
| 3 | 25.6 | 7.7 | 7.7 | 103 | 0.6 | - |
| 4 | 25.3 | 7.7 | | | | |
| 5 | 25.2 | 7.7 | | | | |
| 6 | 25.2 | 7.7 | 7.7 | 103 | 0.5 | - |
| 7 | 25.0 | 7.8 | | | | |
| 8 | 24.2 | 7.8 | | | | |
| 9 | 22.8 | 7.9 | 7.5 | 101 | 0.5 | 45 |
| 10 | 20.7 | 8.0 | | | | |
| 11 | 19.5 | 8.0 | | | | |
| 12 | 18.8 | 7.9 | 7.3 | 103 | 0.5 | - |
| 13 | 18.3 | 7.9 | | | | |
| 14 | 17.6 | 7.9 | | | | |
| 15 | 17.1 | 7.9 | 7.3 | 108 | 0.8 | - |
| 16 | 16.6 | 7.9 | | | | |
| 17 | 16.4 | 8.0 | | | | |
| 18 | 16.2 | 8.0 | 7.3 | 112 | 0.7 | 53 |
| 19 | 16.0 | 8.0 | | | | |
| 20 | 15.8 | 8.0 | | | | |
| 21 | 15.3 | 8.1 | 7.3 | 114 | 0.9 | - |
| 22 | 15.0 | 8.1 | | | | |
| 23 | 14.8 | 8.1 | | | | |
| 24 | 14.4 | 8.2 | 7.2 | 110 | 0.9 | - |
| 25 | 14.0 | 8.2 | | | | |
| 26 | 13.8 | 8.3 | | | | |
| 27 | 13.3 | 8.3 | 7.2 | 107 | 0.7 | 49 |
| 28 | 13.2 | 8.3 | | | | |
| 29 | 12.8 | 8.5 | | | | |
| 30 | 12.5 | 8.6 | 7.2 | 105 | 0.6 | - |
| 31 | 12.2 | 8.6 | | | | |
| 32 | 12.1 | 8.6 | | | | |
| 33 | 12.0 | 8.6 | | | | |
| 34 | 11.6 | 8.5 | | | | |
| 35 | 11.4 | 8.5 | 7.2 | 108 | 1.1 | 46 |
| 36 | 11.3 | 8.5 | | | | |
| 37 | 11.2 | 8.5 | | | | |
| 38 | 11.1 | 8.6 | | | | |
| 39 | 11.0 | 8.5 | | | | |
| 40 | 10.9 | 8.6 | 7.2 | 108 | 1.5 | - |
| 41 | 10.8 | 8.6 | | | | |
| 42 | 10.7 | 8.7 | | | | |
| 43 | 10.5 | 8.7 | | | | |
| 44 | 10.4 | 8.7 | | | | |
| 45 | 10.4 | 8.7 | 7.2 | 108 | 1.5 | 49 |
| 46 | 10.3 | 8.5 | | | | |
| 47 | 10.2 | 8.3 | Bottom | | | |

Sta. A2L 045.4 225.5 Little Backbone Creek Inlet
August 14, 1984 @ 1330 Hrs. Secchi 4.9m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|--------|------|-------|------|
| Surf. | 26.3 | 7.7 | 7.2 | 109 | 1.0 | 46 |
| 1 | 25.2 | 7.8 | | | | |
| 2 | 26.0 | 7.8 | | | | |
| 3 | 26.0 | 7.9 | 7.4 | 108 | 0.6 | - |
| 4 | 25.8 | 7.9 | | | | |
| 5 | 25.7 | 7.9 | | | | |
| 6 | 25.6 | 7.9 | 7.5 | 107 | 0.7 | - |
| 7 | 25.4 | 7.8 | | | | |
| 8 | 25.4 | 7.8 | | | | |
| 9 | 25.0 | 7.4 | 7.3 | 107 | 0.7 | 44 |
| 10 | 23.4 | 7.0 | | | | |
| 11 | 21.8 | 6.7 | | | | |
| 12 | 20.5 | 6.6 | 7.2 | 112 | 0.8 | - |
| 13 | 19.9 | 6.3 | | | | |
| 14 | 19.5 | 6.2 | | | | |
| 15 | 19.1 | 6.2 | 7.2 | 114 | 1.1 | 50 |
| 16 | 18.7 | 6.2 | | | | |
| 17 | 18.5 | 6.2 | | | | |
| 18 | 18.3 | 6.3 | 7.2 | 117 | 1.0 | - |
| 19 | 18.0 | 6.0 | | | | |
| 20 | 17.8 | 6.0 | | | | |
| 21 | 17.4 | 6.0 | 7.2 | 115 | 1.4 | - |
| 22 | 17.1 | 6.0 | | | | |
| 23 | 16.7 | 6.1 | | | | |
| 24 | 16.3 | 6.0 | 7.2 | 115 | 1.2 | 51 |
| 25 | 16.0 | 6.2 | | | | |
| 26 | 15.8 | 6.2 | | | | |
| 27 | 15.5 | 6.3 | 7.2 | 117 | 1.0 | - |
| 28 | 15.3 | 6.3 | | | | |
| 29 | 15.1 | 6.2 | | | | |
| 30 | 14.8 | 6.0 | 7.2 | 117 | 1.0 | - |
| 31 | 14.4 | 6.0 | | | | |
| 32 | 14.2 | 6.2 | | | | |
| 33 | 14.0 | 6.2 | | | | |
| 34 | 14.0 | 6.2 | | | | |
| 35 | 14.0 | 6.2 | 7.1 | 114 | 1.4 | 50 |
| 36 | 13.6 | 6.3 | | | | |
| 37 | 13.1 | 6.4 | | | | |
| 37.5 | - | - | Bottom | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 045.4 225.5 Little Backbone Creek Inlet
September 13, 1984 @ 0830 Hrs. Secchi 6.0m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|--------|------|-------|------|
| Surf. | 22.9 | 7.9 | 7.5 | 116 | 0.6 | 48 |
| 1 | 22.9 | 7.9 | | | | |
| 2 | 22.9 | 7.9 | | | | |
| 3 | 22.9 | 7.8 | 7.5 | 116 | 0.7 | - |
| 4 | 22.9 | 7.8 | | | | |
| 5 | 22.9 | 7.8 | | | | |
| 6 | 22.9 | 7.8 | 7.5 | 116 | 0.7 | - |
| 7 | 22.9 | 7.8 | | | | |
| 8 | 22.8 | 7.8 | | | | |
| 9 | 22.8 | 7.7 | 7.5 | 116 | 0.7 | 45 |
| 10 | 22.7 | 7.6 | | | | |
| 11 | 22.7 | 7.6 | | | | |
| 12 | 22.3 | 7.3 | 7.3 | 116 | 0.7 | - |
| 13 | 21.0 | 5.6 | | | | |
| 14 | 19.5 | 5.6 | | | | |
| 15 | 19.2 | 5.5 | 7.2 | 124 | 0.7 | - |
| 16 | 19.0 | 5.2 | | | | |
| 17 | 18.8 | 5.1 | | | | |
| 18 | 18.6 | 5.2 | 7.1 | 126 | 1.0 | 55 |
| 19 | 18.4 | 5.2 | | | | |
| 20 | 18.2 | 5.3 | | | | |
| 21 | 18.1 | 5.3 | 7.1 | 126 | 1.0 | - |
| 22 | 18.0 | 5.3 | | | | |
| 23 | 17.9 | 5.2 | | | | |
| 24 | 17.7 | 5.2 | 7.1 | 122 | 1.2 | 53 |
| 25 | 17.4 | 5.2 | | | | |
| 26 | 17.2 | 5.2 | | | | |
| 27 | 17.1 | 5.2 | 7.0 | 121 | 1.3 | - |
| 28 | 16.9 | 5.2 | | | | |
| 29 | 16.5 | 5.2 | | | | |
| 30 | 16.1 | 5.3 | 7.0 | 121 | 1.5 | 53 |
| 30.8 | - | - | Bottom | | | |

Sta. A2L 045.4 225.5 Little Backbone Creek Inlet
October 17, 1984 @ 1100 Hrs. Secchi 5.8m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|--------|------|-------|------|
| Surf. | 17.0 | 7.9 | 7.3 | 124 | 0.8 | 52 |
| 1 | 17.0 | 7.9 | | | | |
| 2 | 17.0 | 7.8 | | | | |
| 3 | 17.0 | 7.8 | 7.3 | 124 | 1.0 | - |
| 4 | 17.0 | 7.8 | | | | |
| 5 | 17.0 | 7.8 | | | | |
| 6 | 17.0 | 7.7 | 7.3 | 123 | 0.8 | - |
| 7 | 17.0 | 7.7 | | | | |
| 8 | 17.0 | 7.7 | | | | |
| 9 | 17.0 | 7.8 | 7.3 | 123 | 1.0 | 51 |
| 10 | 16.9 | 7.8 | | | | |
| 11 | 16.9 | 7.8 | | | | |
| 12 | 16.9 | 7.7 | 7.3 | 123 | 0.9 | - |
| 13 | 16.9 | 7.7 | | | | |
| 14 | 16.9 | 7.7 | | | | |
| 15 | 16.9 | 7.7 | 7.3 | 123 | 0.9 | - |
| 16 | 16.9 | 7.7 | | | | |
| 17 | 16.9 | 7.8 | | | | |
| 18 | 16.9 | 7.8 | 7.3 | 123 | 1.0 | 53 |
| 19 | 16.9 | 7.8 | | | | |
| 20 | 16.8 | 7.8 | | | | |
| 21 | 16.8 | 7.8 | 7.3 | 124 | 1.0 | - |
| 22 | 16.8 | 7.8 | | | | |
| 23 | 16.8 | 7.8 | | | | |
| 24 | 16.7 | 7.7 | 7.3 | 123 | 1.0 | - |
| 25 | 16.7 | 7.7 | | | | |
| 26 | 16.7 | 7.5 | | | | |
| 27 | 16.4 | 7.4 | 7.2 | 124 | 1.1 | 53 |
| 28 | 16.2 | 6.2 | | | | |
| 29 | 15.8 | 5.6 | | | | |
| 30 | 15.5 | 5.6 | 7.1 | 124 | 1.5 | 54 |
| 31 | 15.2 | 5.6 | | | | |
| 31.5 | - | - | Bottom | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 046.4 212.9 Squaw Creek Arm May 13, 1983 @ 1045 Hrs. Secchi 2.6m

[illegible]

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 044.9 212.1 Pit River Arm October 15, 1984 @ 0845 Hrs. Secchi 4.0m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(+C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|-----|--------|-------|------|
| Surf. | 17.7 | 7.7 | 7.3 | 129 | 1.9 | 56 | 66 | 10.2 | 0.0 | | | | |
| 1 | 17.7 | 7.7 | | | | | 67 | 10.2 | 0.0 | | | | |
| 2 | 17.7 | 7.7 | | | | | 68 | 10.0 | 0.0 | | | | |
| 3 | 17.7 | 7.7 | 7.3 | 127 | 1.0 | - | 69 | 9.8 | 0.0 | | | | |
| 4 | 17.7 | 7.7 | | | | | 70 | 9.5 | 0.0 | 6.8 | 142 | 6.3 | 65 |
| 5 | 17.7 | 7.7 | | | | | 71 | 9.3 | 0.0 | | | | |
| 6 | 17.7 | 7.7 | 7.3 | 127 | 1.0 | - | 72 | 9.1 | 0.0 | | | | |
| 7 | 17.7 | 7.7 | | | | | 73 | 9.1 | 0.0 | | | | |
| 8 | 17.7 | 7.7 | | | | | 74 | 9.0 | 0.0 | | | | |
| 9 | 17.7 | 7.7 | 7.3 | 126 | 1.0 | 58 | 75 | 9.0 | 0.0 | | Bottom | | |
| 10 | 17.7 | 7.7 | | | | | | | | | | | |
| 11 | 17.7 | 7.7 | | | | | | | | | | | |
| 12 | 17.7 | 7.7 | 7.3 | 127 | 1.1 | - | | | | | | | |
| 13 | 17.7 | 7.7 | | | | | | | | | | | |
| 14 | 17.7 | 7.7 | | | | | | | | | | | |
| 15 | 17.7 | 7.6 | 7.3 | 127 | 1.0 | - | | | | | | | |
| 16 | 17.7 | 7.6 | | | | | | | | | | | |
| 17 | 17.7 | 7.6 | | | | | | | | | | | |
| 18 | 17.7 | 7.4 | 7.3 | 130 | 1.8 | 57 | | | | | | | |
| 19 | 17.7 | 7.3 | | | | | | | | | | | |
| 20 | 17.7 | 7.1 | | | | | | | | | | | |
| 21 | 17.7 | 6.9 | 7.3 | 137 | 1.0 | - | | | | | | | |
| 22 | 17.2 | 7.0 | | | | | | | | | | | |
| 23 | 16.9 | 6.3 | | | | | | | | | | | |
| 24 | 16.7 | 6.6 | 7.2 | 137 | 1.0 | - | | | | | | | |
| 25 | 16.5 | 6.8 | | | | | | | | | | | |
| 26 | 16.3 | 6.8 | | | | | | | | | | | |
| 27 | 16.3 | 6.9 | 7.2 | 137 | 1.2 | 63 | | | | | | | |
| 28 | 16.2 | 7.0 | | | | | | | | | | | |
| 29 | 16.2 | 7.1 | | | | | | | | | | | |
| 30 | 15.9 | 7.2 | 7.2 | 138 | 1.0 | - | | | | | | | |
| 31 | 15.7 | 7.4 | | | | | | | | | | | |
| 32 | 15.5 | 7.6 | | | | | | | | | | | |
| 33 | 15.3 | 7.7 | | | | | | | | | | | |
| 34 | 15.0 | 8.0 | | | | | | | | | | | |
| 35 | 14.5 | 8.3 | 7.3 | 137 | 1.2 | - | | | | | | | |
| 36 | 14.2 | 8.4 | | | | | | | | | | | |
| 37 | 14.0 | 8.6 | | | | | | | | | | | |
| 38 | 13.8 | 8.8 | | | | | | | | | | | |
| 39 | 13.7 | 8.8 | | | | | | | | | | | |
| 40 | 13.7 | 8.8 | 7.3 | 139 | 1.5 | 62 | | | | | | | |
| 41 | 13.5 | 8.9 | | | | | | | | | | | |
| 42 | 13.5 | 8.9 | | | | | | | | | | | |
| 43 | 13.5 | 8.9 | | | | | | | | | | | |
| 44 | 13.5 | 8.9 | | | | | | | | | | | |
| 45 | 13.5 | 8.9 | 7.3 | 139 | 3.0 | - | | | | | | | |
| 46 | 13.3 | 8.9 | | | | | | | | | | | |
| 47 | 13.3 | 8.9 | | | | | | | | | | | |
| 48 | 13.3 | 8.8 | | | | | | | | | | | |
| 49 | 13.3 | 8.8 | | | | | | | | | | | |
| 50 | 13.3 | 8.8 | 7.3 | 139 | 3.4 | - | | | | | | | |
| 51 | 13.3 | 8.8 | | | | | | | | | | | |
| 52 | 13.3 | 8.8 | | | | | | | | | | | |
| 53 | 13.3 | 8.8 | | | | | | | | | | | |
| 54 | 13.3 | 8.8 | | | | | | | | | | | |
| 55 | 13.3 | 8.8 | 7.3 | 140 | 3.6 | 63 | | | | | | | |
| 56 | 13.3 | 8.7 | | | | | | | | | | | |
| 57 | 13.3 | 8.6 | | | | | | | | | | | |
| 58 | 13.1 | 8.1 | | | | | | | | | | | |
| 59 | 13.0 | 7.5 | | | | | | | | | | | |
| 60 | 12.9 | 7.1 | 7.3 | 140 | 3.7 | - | | | | | | | |
| 61 | 11.2 | 1.1 | | | | | | | | | | | |
| 62 | 11.2 | 0.9 | | | | | | | | | | | |
| 63 | 11.0 | 0.5 | | | | | | | | | | | |
| 64 | 11.0 | 0.1 | | | | | | | | | | | |
| 65 | 10.5 | 0.0 | 6.8 | 140 | 7.0 | - | | | | | | | |

**SHASTA RESERVOIR
LIMNOLOGIC DATA**

Sta. A2L 046.4 212.9 Squaw Creek Arm
July 26, 1983 @ 1145 Hrs. Secchi 3.4m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|--------|------|-------|------|
| Surf. | 24.3 | 8.0 | 8.1 | 100 | 1.3 | 45 |
| 1 | 24.2 | 8.0 | | | | |
| 2 | 24.0 | 8.0 | | | | |
| 3 | 23.7 | 7.9 | 8.2 | 102 | 1.7 | 45 |
| 4 | 23.5 | 8.0 | | | | |
| 5 | 23.4 | 8.0 | | | | |
| 6 | 22.8 | 7.5 | 8.1 | 103 | 1.4 | - |
| 7 | 22.1 | 7.2 | | | | |
| 8 | 21.4 | 6.7 | | | | |
| 9 | 20.1 | 6.4 | 7.4 | 108 | 1.4 | - |
| 10 | 18.5 | 7.0 | | | | |
| 11 | 17.9 | 7.3 | | | | |
| 12 | 17.0 | 7.4 | 7.5 | 120 | 1.7 | 57 |
| 13 | 16.7 | 7.4 | | | | |
| 14 | 16.4 | 7.5 | | | | |
| 15 | 16.5 | 7.5 | 7.5 | 121 | 1.4 | - |
| 16 | 16.4 | 7.5 | | | | |
| 17 | 16.1 | 7.3 | | | | |
| 18 | 15.9 | 6.9 | 7.3 | 118 | 1.7 | - |
| 19 | 15.6 | 6.7 | | | | |
| 20 | 15.3 | 6.7 | | | | |
| 21 | 15.0 | 6.8 | 7.3 | 113 | 1.9 | 56 |
| 22 | 14.6 | 6.9 | | | | |
| 23 | 14.1 | 7.1 | | | | |
| 24 | 13.9 | 7.5 | 7.2 | 99 | 2.4 | - |
| 25 | 13.5 | 7.4 | | | | |
| 26 | 13.2 | 7.7 | | | | |
| 27 | 13.0 | 7.8 | 7.3 | 95 | 2.4 | - |
| 28 | 12.9 | 7.6 | | | | |
| 29 | 12.6 | 7.6 | | | | |
| 30 | 12.5 | 7.7 | 7.2 | 100 | 2.7 | 44 |
| 31 | 12.2 | 7.6 | | | | |
| 32 | 12.0 | 7.6 | | | | |
| 33 | 12.0 | 7.6 | | | | |
| 34 | 11.9 | 7.7 | | | | |
| 35 | 11.7 | 7.7 | 7.3 | 105 | 3.1 | - |
| 36 | 11.5 | 7.7 | | | | |
| 37 | 11.3 | 7.7 | | | | |
| 38 | 11.2 | 7.7 | | | | |
| 39 | 11.2 | 7.7 | | | | |
| 40 | 11.0 | 7.7 | 7.3 | 107 | 2.9 | 47 |
| 41 | 11.0 | 7.8 | | | | |
| 42 | 11.0 | 7.8 | | | | |
| 43 | 10.9 | 7.8 | | | | |
| 44 | 10.8 | 7.8 | | | | |
| 45 | 10.7 | 7.8 | 7.2 | 110 | 2.7 | - |
| 46 | 10.6 | 7.8 | | | | |
| 47 | 10.5 | 7.8 | | | | |
| 48 | 10.5 | 7.8 | | | | |
| 49 | 10.5 | 7.8 | | | | |
| 50 | 10.3 | 7.7 | 7.2 | 111 | 2.6 | 50 |
| 51 | 10.2 | 7.8 | | | | |
| 52 | 10.2 | 7.7 | 7.2 | 110 | 2.6 | 50 |
| 53 | 10.1 | 7.7 | | | | |
| 54 | 10.0 | 7.5 | | | | |
| 54.3 | - | - | Bottom | | | |

Sta. A2L 046.4 212.9 Squaw Creek Arm
August 23, 1983 @ 1045 Hrs. Secchi 3.4m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|--------|------|-------|------|
| Surf. | 25.8 | 8.2 | 8.4 | 100 | 1.2 | 44 |
| 1 | 25.3 | 8.2 | | | | |
| 2 | 24.7 | 8.3 | | | | |
| 3 | 24.5 | 8.2 | 8.5 | 99 | 1.4 | 44 |
| 4 | 24.5 | 8.2 | | | | |
| 5 | 24.3 | 8.2 | | | | |
| 6 | 24.3 | 8.1 | 8.5 | 99 | 1.6 | 44 |
| 7 | 24.3 | 7.9 | | | | |
| 8 | 22.8 | 5.1 | | | | |
| 9 | 21.7 | 4.3 | 7.4 | 108 | 1.0 | 46 |
| 10 | 19.8 | 5.3 | | | | |
| 11 | 18.2 | 6.9 | | | | |
| 12 | 17.8 | 7.5 | 7.5 | 121 | 1.2 | 59 |
| 13 | 17.7 | 7.6 | | | | |
| 14 | 17.4 | 7.5 | | | | |
| 15 | 17.1 | 7.4 | 7.5 | 122 | 1.3 | 58 |
| 16 | 16.9 | 6.8 | | | | |
| 17 | 16.8 | 6.6 | | | | |
| 18 | 16.8 | 6.6 | 7.3 | 121 | 1.3 | 57 |
| 19 | 16.7 | 6.1 | | | | |
| 20 | 15.8 | 5.7 | | | | |
| 21 | 15.6 | 5.6 | 7.2 | 117 | 1.6 | 55 |
| 22 | 15.0 | 6.1 | | | | |
| 23 | 15.2 | 6.2 | | | | |
| 24 | 14.9 | 6.3 | 7.2 | 113 | 1.6 | 52 |
| 25 | 14.8 | 6.5 | | | | |
| 26 | 14.5 | 6.6 | | | | |
| 27 | 14.2 | 6.6 | 7.2 | 110 | 1.5 | 50 |
| 28 | 14.1 | 6.8 | | | | |
| 29 | 13.9 | 6.8 | | | | |
| 30 | 13.8 | 6.8 | 7.2 | 106 | 2.0 | 46 |
| 31 | 13.4 | 6.9 | | | | |
| 32 | 13.1 | 6.9 | | | | |
| 33 | 13.0 | 7.0 | | | | |
| 34 | 12.8 | 7.1 | | | | |
| 35 | 12.5 | 7.2 | 7.2 | 102 | 2.2 | 45 |
| 36 | 12.1 | 7.3 | | | | |
| 37 | 12.1 | 7.3 | | | | |
| 38 | 11.9 | 7.4 | | | | |
| 39 | 11.8 | 7.4 | | | | |
| 40 | 11.6 | 7.4 | 7.2 | 103 | 2.5 | 46 |
| 41 | 11.6 | 7.5 | | | | |
| 42 | 11.3 | 7.5 | | | | |
| 43 | 11.2 | 7.6 | | | | |
| 44 | 11.2 | 7.6 | | | | |
| 45 | 11.1 | 7.6 | 7.2 | 107 | 2.8 | 47 |
| 46 | 10.9 | 7.5 | | | | |
| 47 | 10.9 | 7.5 | | | | |
| 48 | 10.8 | 7.5 | | | | |
| 49 | 10.8 | 7.5 | | | | |
| 50 | 10.6 | 7.5 | 7.2 | 108 | 2.7 | 48 |
| 51 | 10.4 | 7.5 | | | | |
| 52 | 10.4 | 7.4 | | | | |
| 53 | 10.4 | 7.3 | | | | |
| 54 | 10.3 | 7.3 | | | | |
| 54.2 | - | - | Bottom | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 046.4 212.9 Squaw Creek Arm September 29, 1983 @ 0830 Hrs. Secchi 4.9m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| Surf. | 20.8 | 8.9 | 7.7 | 109 | 0.4 | 48 | 66 | 12.2 | 6.4 | | | | |
| 1 | 20.8 | 8.9 | | | | | 67 | 12.2 | 6.4 | | | | |
| 2 | 20.8 | 8.9 | | | | | 68 | 12.2 | 6.4 | Bottom | | | |
| 3 | 20.8 | 8.9 | 7.7 | 110 | 0.4 | - | | | | | | | |
| 4 | 20.8 | 8.9 | | | | | | | | | | | |
| 5 | 20.8 | 8.8 | | | | | | | | | | | |
| 6 | 20.8 | 8.8 | 7.6 | 110 | 0.5 | - | | | | | | | |
| 7 | 20.8 | 8.8 | | | | | | | | | | | |
| 8 | 20.6 | 8.6 | | | | | | | | | | | |
| 9 | 20.5 | 8.5 | 7.5 | 110 | 0.5 | 48 | | | | | | | |
| 10 | 20.3 | 7.9 | | | | | | | | | | | |
| 11 | 20.1 | 7.9 | | | | | | | | | | | |
| 12 | 19.8 | 7.3 | 7.3 | 116 | 0.3 | - | | | | | | | |
| 13 | 19.5 | 7.1 | | | | | | | | | | | |
| 14 | 19.1 | 6.4 | | | | | | | | | | | |
| 15 | 18.6 | 6.1 | 7.2 | 122 | 0.4 | - | | | | | | | |
| 16 | 17.7 | 6.2 | | | | | | | | | | | |
| 17 | 17.1 | 6.6 | | | | | | | | | | | |
| 18 | 16.9 | 6.5 | 7.2 | 126 | 0.5 | 58 | | | | | | | |
| 19 | 16.9 | 6.8 | | | | | | | | | | | |
| 20 | 16.5 | 6.6 | | | | | | | | | | | |
| 21 | 16.4 | 6.6 | 7.2 | 126 | 0.5 | - | | | | | | | |
| 22 | 16.2 | 6.7 | | | | | | | | | | | |
| 23 | 16.1 | 6.9 | | | | | | | | | | | |
| 24 | 16.0 | 6.9 | 7.2 | 126 | 0.6 | - | | | | | | | |
| 25 | 15.8 | 7.1 | | | | | | | | | | | |
| 26 | 15.6 | 7.2 | | | | | | | | | | | |
| 27 | 15.5 | 7.4 | 7.2 | 128 | 0.6 | 58 | | | | | | | |
| 28 | 15.3 | 7.7 | | | | | | | | | | | |
| 29 | 15.2 | 7.7 | | | | | | | | | | | |
| 30 | 15.2 | 7.9 | 7.2 | 127 | 0.8 | - | | | | | | | |
| 31 | 15.2 | 7.9 | | | | | | | | | | | |
| 32 | 15.2 | 8.2 | | | | | | | | | | | |
| 33 | 15.2 | 8.1 | | | | | | | | | | | |
| 34 | 15.2 | 8.1 | | | | | | | | | | | |
| 35 | 15.0 | 7.9 | 7.3 | 125 | 0.9 | - | | | | | | | |
| 36 | 15.0 | 8.3 | | | | | | | | | | | |
| 37 | 15.0 | 7.7 | | | | | | | | | | | |
| 38 | 14.5 | 6.6 | | | | | | | | | | | |
| 39 | 14.2 | 6.5 | | | | | | | | | | | |
| 40 | 14.2 | 6.5 | 7.0 | 114 | 1.7 | 50 | | | | | | | |
| 41 | 14.0 | 6.2 | | | | | | | | | | | |
| 42 | 14.0 | 6.3 | | | | | | | | | | | |
| 43 | 13.8 | 6.5 | | | | | | | | | | | |
| 44 | 13.5 | 6.6 | | | | | | | | | | | |
| 45 | 13.4 | 6.7 | 7.0 | 113 | 1.8 | - | | | | | | | |
| 46 | 13.0 | 6.6 | | | | | | | | | | | |
| 47 | 12.8 | 6.4 | | | | | | | | | | | |
| 48 | 12.6 | 6.3 | | | | | | | | | | | |
| 49 | 12.5 | 6.3 | | | | | | | | | | | |
| 50 | 12.3 | 6.4 | 6.9 | 117 | 6.7 | - | | | | | | | |
| 51 | 12.2 | 6.4 | | | | | | | | | | | |
| 52 | 12.2 | 6.4 | | | | | | | | | | | |
| 53 | 12.2 | 6.4 | | | | | | | | | | | |
| 54 | 12.2 | 6.4 | | | | | | | | | | | |
| 55 | 12.2 | 6.4 | 6.9 | 117 | 1.9 | 49 | | | | | | | |
| 56 | 12.2 | 6.5 | | | | | | | | | | | |
| 57 | 12.2 | 6.5 | | | | | | | | | | | |
| 58 | 12.2 | 6.3 | | | | | | | | | | | |
| 59 | 12.2 | 6.3 | | | | | | | | | | | |
| 60 | 12.2 | 6.3 | 6.9 | 118 | 1.9 | - | | | | | | | |
| 61 | 12.2 | 6.3 | | | | | | | | | | | |
| 62 | 12.2 | 6.3 | | | | | | | | | | | |
| 63 | 12.2 | 6.3 | | | | | | | | | | | |
| 64 | 12.2 | 6.4 | | | | | | | | | | | |
| 65 | 12.2 | 6.4 | 6.9 | 120 | 4.3 | 50 | | | | | | | |

**SHASTA RESERVOIR
LIMNOLOGIC DATA**

Sta. A2L 046.4 212.9 Squaw Creek Arm
October 28, 1983 @ 0930 Hrs. Secchi 5.7m
Depth(m) Temp.(°C) D.O. pH E.C. Turb. Alk.

| | | | | | | |
|-------|------|-----|--------|-----|-----|----|
| Surf. | 17.6 | 8.3 | 7.5 | 113 | 0.9 | 51 |
| 1 | 17.6 | 8.3 | | | | |
| 2 | 17.6 | 8.3 | | | | |
| 3 | 17.6 | 8.3 | 7.5 | 112 | 1.0 | - |
| 4 | 17.6 | 8.3 | | | | |
| 5 | 17.6 | 8.2 | | | | |
| 6 | 17.5 | 8.2 | 7.5 | 112 | 0.9 | - |
| 7 | 17.5 | 8.2 | | | | |
| 8 | 17.6 | - | | | | |
| 9 | 17.6 | 8.3 | 7.6 | 112 | 0.8 | 49 |
| 10 | 17.6 | - | | | | |
| 11 | 17.6 | - | | | | |
| 12 | 17.6 | 8.2 | 7.5 | 113 | 0.9 | - |
| 13 | 17.6 | - | | | | |
| 14 | 17.6 | - | | | | |
| 15 | 17.6 | 8.2 | 7.4 | 115 | 0.8 | - |
| 16 | 17.5 | - | | | | |
| 17 | 17.4 | - | | | | |
| 18 | 17.0 | 6.4 | 7.2 | 121 | 0.9 | 55 |
| 19 | 16.7 | - | | | | |
| 20 | 16.4 | - | | | | |
| 21 | 16.1 | 5.5 | 7.1 | 126 | 0.8 | - |
| 22 | 16.0 | - | | | | |
| 23 | 16.0 | - | | | | |
| 24 | 15.9 | 5.9 | 7.2 | 126 | 0.7 | - |
| 25 | 15.8 | - | | | | |
| 26 | 15.8 | - | | | | |
| 27 | 15.6 | 6.3 | 7.1 | 126 | 0.7 | 58 |
| 28 | 15.5 | - | | | | |
| 29 | 15.4 | - | | | | |
| 30 | 15.2 | 6.4 | 7.1 | 125 | 0.9 | - |
| 31 | 15.2 | - | | | | |
| 32 | 15.1 | - | | | | |
| 33 | 15.0 | - | | | | |
| 34 | 14.9 | - | | | | |
| 35 | 14.9 | 6.1 | 7.1 | 123 | 1.2 | - |
| 36 | 14.8 | - | | | | |
| 37 | 14.6 | - | | | | |
| 38 | 14.4 | - | | | | |
| 39 | 14.4 | - | | | | |
| 40 | 14.3 | 6.9 | 7.1 | 123 | 1.4 | 58 |
| 41 | 14.2 | - | | | | |
| 42 | 14.1 | - | | | | |
| 43 | 14.0 | - | | | | |
| 44 | 13.8 | - | | | | |
| 45 | 13.6 | 7.4 | 7.2 | 128 | 1.3 | - |
| 46 | 13.5 | - | | | | |
| 47 | 13.3 | - | | | | |
| 48 | 13.2 | - | | | | |
| 49 | 13.2 | - | | | | |
| 50 | 13.1 | 7.7 | 7.2 | 128 | 2.0 | 60 |
| 51 | 13.1 | - | | | | |
| 52 | 13.0 | - | | | | |
| 53 | 12.9 | - | | | | |
| 54 | 12.9 | - | | | | |
| 55 | 12.8 | 6.7 | 7.1 | 126 | 2.3 | - |
| 56 | 12.9 | - | | | | |
| 57 | 12.8 | - | | | | |
| 58 | 12.7 | - | | | | |
| 59 | 12.7 | - | | | | |
| 60 | 12.6 | 5.4 | 6.9 | 124 | 4.2 | 58 |
| 61 | 12.6 | - | | | | |
| 61.8 | - | - | Bottom | | | |

Sta. A2L 046.4 212.9 Squaw Creek Arm
December 19, 1983 @ 0945 Hrs. Secchi 6.9m
Depth(m) Temp.(°C) D.O. pH E.C. Turb. Alk.

| | | | | | | |
|-------|------|------|--------|-----|-----|----|
| Surf. | 12.1 | 9.5 | 7.3 | 112 | 1.2 | 51 |
| 1 | 12.1 | 9.5 | | | | |
| 2 | 12.1 | 9.5 | | | | |
| 3 | 12.1 | 9.5 | 7.3 | 112 | 1.0 | - |
| 4 | 12.2 | 9.5 | | | | |
| 5 | 12.2 | 9.5 | | | | |
| 6 | 12.1 | 9.5 | 7.3 | 113 | 1.2 | - |
| 7 | 12.1 | 9.5 | | | | |
| 8 | 12.2 | 9.5 | | | | |
| 9 | 12.1 | 9.5 | 7.3 | 113 | 1.1 | 50 |
| 10 | 12.1 | 9.5 | | | | |
| 11 | 12.1 | 9.4 | | | | |
| 12 | 12.1 | 9.4 | 7.3 | 113 | 1.0 | - |
| 13 | 12.0 | 9.4 | | | | |
| 14 | 12.0 | 9.4 | | | | |
| 15 | 12.1 | 9.4 | 7.3 | 113 | 1.1 | - |
| 16 | 12.1 | 9.4 | | | | |
| 17 | 12.1 | 9.4 | | | | |
| 18 | 12.1 | 9.4 | 7.3 | 113 | 1.2 | 53 |
| 19 | 12.0 | 9.4 | | | | |
| 20 | 12.0 | 9.4 | | | | |
| 21 | 12.0 | 9.4 | 7.3 | 113 | 1.3 | - |
| 22 | 12.0 | 9.4 | | | | |
| 23 | 12.0 | 9.4 | | | | |
| 24 | 12.0 | 9.4 | 7.3 | 113 | 1.3 | - |
| 25 | 12.0 | 9.4 | | | | |
| 26 | 12.0 | 9.4 | | | | |
| 27 | 12.0 | 9.4 | 7.3 | 112 | 1.4 | 50 |
| 28 | 12.0 | 9.4 | | | | |
| 29 | 12.0 | 9.4 | | | | |
| 30 | 12.0 | 9.4 | 7.3 | 113 | 1.5 | - |
| 31 | 12.0 | 9.4 | | | | |
| 32 | 11.9 | 9.4 | | | | |
| 33 | 11.9 | 9.4 | | | | |
| 34 | 11.9 | 9.5 | | | | |
| 35 | 11.5 | 9.7 | 7.3 | 112 | 1.5 | - |
| 36 | 11.3 | 9.8 | | | | |
| 37 | 11.0 | 10.0 | | | | |
| 38 | 10.8 | 10.1 | | | | |
| 39 | 10.8 | 10.1 | | | | |
| 40 | 10.8 | 10.1 | 7.3 | 117 | 1.9 | 52 |
| 41 | 10.7 | 10.2 | | | | |
| 42 | 10.7 | 10.2 | | | | |
| 43 | 10.6 | 10.2 | | | | |
| 44 | 10.6 | 10.2 | | | | |
| 45 | 10.5 | 10.3 | 7.3 | 113 | 2.5 | - |
| 46 | 10.4 | 10.3 | | | | |
| 47 | 10.3 | 10.4 | | | | |
| 48 | 10.2 | 10.4 | | | | |
| 49 | 9.6 | 10.5 | | | | |
| 50 | 9.3 | 10.6 | 7.2 | 116 | 11 | 52 |
| 51 | 8.9 | - | | | | |
| 52 | 8.8 | - | | | | |
| 53 | 8.7 | - | | | | |
| 54 | 8.6 | 10.7 | 7.2 | 121 | 4.9 | - |
| 55 | 8.6 | - | | | | |
| 56 | 8.5 | - | | | | |
| 57 | 8.5 | - | | | | |
| 58 | 8.5 | 10.8 | 7.2 | 117 | 6.3 | 53 |
| 59 | 8.4 | - | | | | |
| 60 | 8.4 | - | | | | |
| 60.9 | - | - | Bottom | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 046.4 212.9 Squaw Creek Arm January 23, 1984 @ 1300 Hrs. Secchi 5.3m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| Surf. | 9.6 | 10.7 | 7.3 | 103 | 1.1 | 48 | 66 | 6.8 | - | | | | |
| 1 | 9.6 | 10.6 | | | | | 67 | 6.8 | - | | | | |
| 2 | 9.5 | 10.6 | | | | | 68 | 6.8 | - | | | | |
| 3 | 9.5 | 10.6 | 7.3 | 102 | 1.1 | - | 69 | 6.8 | - | | | | |
| 4 | 9.5 | 10.6 | | | | | 70 | 6.8 | 12.3 | 7.2 | 116 | 7.7 | 56 |
| 5 | 9.5 | 10.6 | | | | | 71 | 6.8 | - | | | | |
| 6 | 9.4 | 10.6 | 7.3 | 107 | 1.1 | - | 72 | 6.8 | - | | | | |
| 7 | 9.4 | 10.6 | | | | | 73 | 6.8 | - | | | | |
| 8 | 9.4 | 10.6 | | | | | 74 | 6.9 | 12.0 | Bottom | | | |
| 9 | 9.4 | 10.6 | 7.3 | 104 | 1.1 | 49 | | | | | | | |
| 10 | 9.4 | 10.6 | | | | | | | | | | | |
| 11 | 9.4 | 10.6 | | | | | | | | | | | |
| 12 | 9.3 | 10.6 | 7.3 | 104 | 1.0 | - | | | | | | | |
| 13 | 9.3 | 10.6 | | | | | | | | | | | |
| 14 | 9.3 | 10.5 | | | | | | | | | | | |
| 15 | 9.3 | 10.5 | 7.3 | 102 | 1.1 | - | | | | | | | |
| 16 | 9.3 | 10.5 | | | | | | | | | | | |
| 17 | 9.3 | 10.5 | | | | | | | | | | | |
| 18 | 9.3 | 10.5 | 7.3 | 102 | 1.2 | 49 | | | | | | | |
| 19 | 9.3 | 10.5 | | | | | | | | | | | |
| 20 | 9.3 | 10.5 | | | | | | | | | | | |
| 21 | 9.3 | 10.5 | 7.3 | 102 | 1.2 | - | | | | | | | |
| 22 | 9.3 | 10.5 | | | | | | | | | | | |
| 23 | 9.3 | 10.5 | | | | | | | | | | | |
| 24 | 9.3 | 10.5 | 7.3 | 104 | 1.1 | - | | | | | | | |
| 25 | 9.3 | 10.5 | | | | | | | | | | | |
| 26 | 9.3 | 10.5 | | | | | | | | | | | |
| 27 | 9.3 | 10.5 | 7.3 | 103 | 1.2 | 49 | | | | | | | |
| 28 | 9.3 | 10.5 | | | | | | | | | | | |
| 29 | 9.3 | 10.5 | | | | | | | | | | | |
| 30 | 9.3 | 10.5 | 7.3 | 103 | 1.2 | - | | | | | | | |
| 31 | 9.3 | 10.5 | | | | | | | | | | | |
| 32 | 9.2 | 10.5 | | | | | | | | | | | |
| 33 | 9.2 | 10.5 | | | | | | | | | | | |
| 34 | 9.1 | 10.5 | | | | | | | | | | | |
| 35 | 9.1 | 10.5 | 7.3 | 104 | 1.1 | - | | | | | | | |
| 36 | 9.1 | 10.5 | | | | | | | | | | | |
| 37 | 9.1 | 10.5 | | | | | | | | | | | |
| 38 | 9.1 | 10.5 | | | | | | | | | | | |
| 39 | 9.1 | 10.5 | | | | | | | | | | | |
| 40 | 9.0 | 10.5 | 7.3 | 105 | 1.1 | 50 | | | | | | | |
| 41 | 9.0 | 10.6 | | | | | | | | | | | |
| 42 | 8.9 | 10.6 | | | | | | | | | | | |
| 43 | 8.7 | 10.6 | | | | | | | | | | | |
| 44 | 8.5 | 10.7 | | | | | | | | | | | |
| 45 | 8.4 | 10.7 | 7.3 | 110 | 1.5 | - | | | | | | | |
| 46 | 8.2 | 10.7 | | | | | | | | | | | |
| 47 | 8.1 | 10.8 | | | | | | | | | | | |
| 48 | 8.1 | 10.8 | | | | | | | | | | | |
| 49 | 8.0 | 10.9 | | | | | | | | | | | |
| 50 | 8.0 | 10.9 | 7.3 | 113 | 2.2 | - | | | | | | | |
| 51 | 8.2 | - | | | | | | | | | | | |
| 52 | 7.6 | - | | | | | | | | | | | |
| 53 | 7.1 | - | | | | | | | | | | | |
| 54 | 7.0 | - | | | | | | | | | | | |
| 55 | 6.9 | 11.9 | 7.2 | 110 | 7.5 | 53 | | | | | | | |
| 56 | 6.9 | - | | | | | | | | | | | |
| 57 | 6.9 | - | | | | | | | | | | | |
| 58 | 6.9 | - | | | | | | | | | | | |
| 59 | 6.9 | - | | | | | | | | | | | |
| 60 | 6.9 | 11.9 | 7.2 | 115 | 11.0 | - | | | | | | | |
| 61 | 6.8 | - | | | | | | | | | | | |
| 62 | 6.8 | - | | | | | | | | | | | |
| 63 | 6.8 | - | | | | | | | | | | | |
| 64 | 6.8 | - | | | | | | | | | | | |
| 65 | 6.8 | 11.9 | 7.2 | 115 | 8.0 | - | | | | | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 046.4 212.9 Squaw Creek Arm February 27, 1984 @ 1000 Hrs. Secchi 3.3m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|----|--------|-------|------|
| Surf. | 9.2 | 11.4 | 7.6 | 108 | 1.2 | 45 | 66 | 6.9 | 11.9 | | | | |
| 1 | 9.2 | 11.4 | | | | | 67 | 6.9 | 11.9 | | | | |
| 2 | 9.0 | 11.4 | | | | | 68 | 6.8 | 11.8 | | | | |
| 3 | 9.0 | 11.4 | 7.6 | 108 | 0.8 | - | 68.1 | - | - | | Bottom | | |
| 4 | 9.0 | 11.4 | | | | | | | | | | | |
| 5 | 9.0 | 11.4 | | | | | | | | | | | |
| 6 | 9.0 | 11.4 | 7.6 | 107 | 0.9 | 46 | | | | | | | |
| 7 | 8.9 | 11.2 | | | | | | | | | | | |
| 8 | 8.9 | 11.2 | | | | | | | | | | | |
| 9 | 8.8 | 11.0 | 7.5 | 107 | 0.9 | 46 | | | | | | | |
| 10 | 8.8 | 11.0 | | | | | | | | | | | |
| 11 | 8.8 | 11.0 | | | | | | | | | | | |
| 12 | 8.8 | 11.0 | 7.5 | 107 | 1.0 | - | | | | | | | |
| 13 | 8.8 | 11.0 | | | | | | | | | | | |
| 14 | 8.8 | 11.0 | | | | | | | | | | | |
| 15 | 8.8 | 11.0 | 7.4 | 107 | 1.0 | - | | | | | | | |
| 16 | 8.8 | 11.0 | | | | | | | | | | | |
| 17 | 8.8 | 11.0 | | | | | | | | | | | |
| 18 | 8.8 | 11.0 | 7.4 | 108 | 0.8 | 48 | | | | | | | |
| 19 | 8.8 | 11.0 | | | | | | | | | | | |
| 20 | 8.8 | 11.0 | | | | | | | | | | | |
| 21 | 8.8 | 11.0 | 7.4 | 107 | 1.0 | - | | | | | | | |
| 22 | 8.8 | 10.9 | | | | | | | | | | | |
| 23 | 8.8 | 10.9 | | | | | | | | | | | |
| 24 | 8.8 | 10.9 | 7.3 | 107 | 0.9 | - | | | | | | | |
| 25 | 8.8 | 10.9 | | | | | | | | | | | |
| 26 | 8.8 | 10.9 | | | | | | | | | | | |
| 27 | 8.8 | 10.9 | 7.3 | 108 | 0.9 | 48 | | | | | | | |
| 28 | 8.8 | 10.9 | | | | | | | | | | | |
| 29 | 8.8 | 11.0 | | | | | | | | | | | |
| 30 | 8.8 | 11.0 | 7.3 | 109 | 1.1 | - | | | | | | | |
| 31 | 8.8 | 11.0 | | | | | | | | | | | |
| 32 | 8.6 | 10.9 | | | | | | | | | | | |
| 33 | 8.4 | 10.8 | | | | | | | | | | | |
| 34 | 8.2 | 10.8 | | | | | | | | | | | |
| 35 | 8.2 | 10.8 | 7.3 | 117 | 1.1 | - | | | | | | | |
| 36 | 8.0 | 10.8 | | | | | | | | | | | |
| 37 | 7.9 | 10.9 | | | | | | | | | | | |
| 38 | 7.8 | 11.0 | | | | | | | | | | | |
| 39 | 7.8 | 11.0 | | | | | | | | | | | |
| 40 | 7.7 | 11.0 | 7.3 | 123 | 1.5 | 55 | | | | | | | |
| 41 | 7.7 | 11.0 | | | | | | | | | | | |
| 42 | 7.6 | 11.0 | | | | | | | | | | | |
| 43 | 7.5 | 11.1 | | | | | | | | | | | |
| 44 | 7.3 | 11.2 | | | | | | | | | | | |
| 45 | 7.2 | 11.3 | 7.3 | 128 | 2.6 | - | | | | | | | |
| 46 | 7.2 | 11.3 | | | | | | | | | | | |
| 47 | 7.1 | 11.3 | | | | | | | | | | | |
| 48 | 7.0 | 11.3 | | | | | | | | | | | |
| 49 | 7.0 | 11.5 | | | | | | | | | | | |
| 50 | 7.0 | 11.6 | 7.3 | 126 | 3.6 | - | | | | | | | |
| 51 | 7.0 | 11.6 | | | | | | | | | | | |
| 52 | 7.0 | 11.7 | | | | | | | | | | | |
| 53 | 7.0 | 11.7 | | | | | | | | | | | |
| 54 | 7.0 | 11.7 | | | | | | | | | | | |
| 55 | 7.0 | 11.8 | 7.3 | 126 | 4.5 | 58 | | | | | | | |
| 56 | 7.0 | 11.8 | | | | | | | | | | | |
| 57 | 6.9 | 11.8 | | | | | | | | | | | |
| 58 | 6.9 | 11.9 | | | | | | | | | | | |
| 59 | 6.9 | 11.9 | | | | | | | | | | | |
| 60 | 6.9 | 11.9 | 7.3 | 128 | 13 | - | | | | | | | |
| 61 | 6.9 | 11.9 | | | | | | | | | | | |
| 62 | 6.9 | 11.9 | | | | | | | | | | | |
| 63 | 6.9 | 11.9 | | | | | | | | | | | |
| 64 | 6.9 | 11.9 | | | | | | | | | | | |
| 65 | 6.9 | 11.9 | 7.3 | 126 | 13 | 58 | | | | | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 046.4 212.9 Squaw Creek Arm April 2, 1984 @ 1300 Hrs. Secchi 5.8m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| Surf. | 12.8 | 10.7 | 7.6 | 106 | 0.9 | 45 | 66 | 7.4 | 9.8 | | | | |
| 1 | 12.7 | 10.7 | | | | | 66.5 | - | - | Bottom | | | |
| 2 | 12.4 | 10.7 | | | | | | | | | | | |
| 3 | 12.2 | 10.6 | 7.6 | 106 | 1.0 | 44 | | | | | | | |
| 4 | 12.0 | 10.6 | | | | | | | | | | | |
| 5 | 11.6 | 10.2 | | | | | | | | | | | |
| 6 | 11.6 | 10.7 | 7.6 | 106 | 1.2 | 44 | | | | | | | |
| 7 | 11.5 | 10.7 | | | | | | | | | | | |
| 8 | 11.4 | 10.7 | | | | | | | | | | | |
| 9 | 11.3 | 10.6 | 7.5 | 106 | 1.2 | 44 | | | | | | | |
| 10 | 11.2 | 10.6 | | | | | | | | | | | |
| 11 | 11.0 | 10.5 | | | | | | | | | | | |
| 12 | 10.8 | 10.5 | 7.4 | 106 | 1.4 | 44 | | | | | | | |
| 13 | 10.2 | 10.4 | | | | | | | | | | | |
| 14 | 10.0 | 10.4 | | | | | | | | | | | |
| 15 | 9.9 | 10.4 | 7.3 | 107 | 1.7 | 45 | | | | | | | |
| 16 | 9.8 | 10.4 | | | | | | | | | | | |
| 17 | 9.6 | 10.4 | | | | | | | | | | | |
| 18 | 9.4 | 10.5 | 7.3 | 108 | 1.9 | 45 | | | | | | | |
| 19 | 9.2 | 10.5 | | | | | | | | | | | |
| 20 | 9.0 | 10.5 | | | | | | | | | | | |
| 21 | 9.0 | 10.6 | 7.3 | 110 | 2.3 | 46 | | | | | | | |
| 22 | 9.0 | 10.6 | | | | | | | | | | | |
| 23 | 9.0 | 10.6 | | | | | | | | | | | |
| 24 | 8.9 | 10.7 | 7.3 | 112 | 2.6 | 47 | | | | | | | |
| 25 | 8.9 | 10.7 | | | | | | | | | | | |
| 26 | 8.8 | 10.8 | | | | | | | | | | | |
| 27 | 8.8 | 10.8 | 7.3 | 113 | 3.1 | 48 | | | | | | | |
| 28 | 8.8 | 10.8 | | | | | | | | | | | |
| 29 | 8.7 | 10.8 | | | | | | | | | | | |
| 30 | 8.7 | 10.7 | 7.3 | 114 | 2.8 | 48 | | | | | | | |
| 31 | 8.7 | 10.7 | | | | | | | | | | | |
| 32 | 8.6 | 10.6 | | | | | | | | | | | |
| 33 | 8.6 | 10.6 | | | | | | | | | | | |
| 34 | 8.6 | 10.6 | | | | | | | | | | | |
| 35 | 8.6 | 10.6 | 7.3 | 116 | 3.0 | 50 | | | | | | | |
| 36 | 8.5 | 10.6 | | | | | | | | | | | |
| 37 | 8.5 | 10.6 | | | | | | | | | | | |
| 38 | 8.5 | 10.6 | | | | | | | | | | | |
| 39 | 8.5 | 10.6 | | | | | | | | | | | |
| 40 | 8.5 | 10.6 | 7.3 | 119 | 3.4 | 52 | | | | | | | |
| 41 | 8.5 | 10.6 | | | | | | | | | | | |
| 42 | 8.4 | 10.6 | | | | | | | | | | | |
| 43 | 8.4 | 10.6 | | | | | | | | | | | |
| 44 | 8.4 | 10.7 | | | | | | | | | | | |
| 45 | 8.4 | 10.7 | 7.3 | 120 | 2.7 | 52 | | | | | | | |
| 46 | 8.4 | 10.7 | | | | | | | | | | | |
| 47 | 8.4 | 10.7 | | | | | | | | | | | |
| 48 | 8.4 | 10.6 | | | | | | | | | | | |
| 49 | 8.4 | 10.6 | | | | | | | | | | | |
| 50 | 8.3 | 10.6 | 7.3 | 122 | 2.7 | 54 | | | | | | | |
| 51 | 8.3 | 10.6 | | | | | | | | | | | |
| 52 | 8.2 | 10.6 | | | | | | | | | | | |
| 53 | 8.1 | 10.5 | | | | | | | | | | | |
| 54 | 8.0 | 10.5 | | | | | | | | | | | |
| 55 | 7.9 | 10.4 | 7.3 | 125 | 2.7 | 55 | | | | | | | |
| 56 | 7.9 | 10.4 | | | | | | | | | | | |
| 57 | 7.8 | 10.3 | | | | | | | | | | | |
| 58 | 7.8 | 10.3 | | | | | | | | | | | |
| 59 | 7.7 | 10.3 | | | | | | | | | | | |
| 60 | 7.6 | 10.2 | 7.3 | 129 | 3.6 | 56 | | | | | | | |
| 61 | 7.6 | 10.2 | | | | | | | | | | | |
| 62 | 7.5 | 10.2 | | | | | | | | | | | |
| 63 | 7.5 | 10.2 | | | | | | | | | | | |
| 64 | 7.4 | 10.2 | | | | | | | | | | | |
| 65 | 7.4 | 10.2 | 7.3 | 129 | 3.9 | 58 | | | | | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 046.4 212.9 Squaw Creek Arm May 7, 1984 @ 1100 Hrs. Secchi 5.0m

| Depth(m) | Temp. (°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|------------|------|-----|------|-------|------|----------|-----------|------|-----|------|-------|------|
| Surf. | 15.0 | 10.0 | 7.6 | 100 | 0.7 | 45 | 66 | 8.0 | 9.4 | | | | |
| 1 | 15.0 | 10.0 | | | | | 67 | 8.0 | 9.3 | | | | |
| 2 | 14.6 | 10.0 | | | | | 68 | 8.0 | 9.4 | | | | |
| 3 | 14.5 | 10.0 | 7.6 | 102 | 0.9 | - | 69 | 7.9 | 8.8 | | | | |
| 4 | 14.4 | 10.0 | | | | | 70 | 7.9 | 8.8 | 7.3 | 122 | 2.3 | 57 |
| 5 | 14.4 | 10.0 | | | | | 71 | 7.9 | 8.6 | | | | |
| 6 | 14.4 | 10.0 | 7.5 | 102 | 1.0 | - | 72 | 7.9 | 8.5 | | | | |
| 7 | 14.3 | 10.0 | | | | | 73 | - | - | | | | |
| 8 | 14.1 | 10.0 | | | | | | | | | | | |
| 9 | 14.0 | 10.0 | 7.5 | 103 | 1.1 | 48 | | | | | | | |
| 10 | 13.4 | 10.0 | | | | | | | | | | | |
| 11 | 13.2 | 10.0 | | | | | | | | | | | |
| 12 | 12.8 | 10.0 | 7.4 | 107 | 1.2 | - | | | | | | | |
| 13 | 12.5 | 10.1 | | | | | | | | | | | |
| 14 | 12.0 | 10.2 | | | | | | | | | | | |
| 15 | 11.8 | 10.2 | 7.4 | 116 | 2.2 | - | | | | | | | |
| 16 | 11.5 | 10.2 | | | | | | | | | | | |
| 17 | 11.3 | 10.2 | | | | | | | | | | | |
| 18 | 11.2 | 10.2 | 7.4 | 119 | 2.9 | 58 | | | | | | | |
| 19 | 11.2 | 10.2 | | | | | | | | | | | |
| 20 | 11.1 | 10.1 | | | | | | | | | | | |
| 21 | 11.0 | 10.1 | 7.4 | 118 | 2.7 | - | | | | | | | |
| 22 | 11.0 | 10.1 | | | | | | | | | | | |
| 23 | 10.9 | 10.1 | | | | | | | | | | | |
| 24 | 10.8 | 10.0 | 7.3 | 118 | 2.6 | - | | | | | | | |
| 25 | 10.7 | 10.0 | | | | | | | | | | | |
| 26 | 10.5 | 10.0 | | | | | | | | | | | |
| 27 | 10.4 | 9.9 | 7.3 | 116 | 2.8 | 56 | | | | | | | |
| 28 | 10.2 | 9.8 | | | | | | | | | | | |
| 29 | 10.2 | 9.9 | | | | | | | | | | | |
| 30 | 10.0 | 9.9 | 7.3 | 119 | 1.9 | - | | | | | | | |
| 31 | 9.8 | 9.8 | | | | | | | | | | | |
| 32 | 9.6 | 9.8 | | | | | | | | | | | |
| 33 | 9.5 | 9.9 | | | | | | | | | | | |
| 34 | 9.4 | 9.9 | | | | | | | | | | | |
| 35 | 9.4 | 9.9 | 7.3 | 119 | 1.6 | - | | | | | | | |
| 36 | 9.3 | 9.8 | | | | | | | | | | | |
| 37 | 9.2 | 9.9 | | | | | | | | | | | |
| 38 | 9.1 | 9.9 | | | | | | | | | | | |
| 39 | 9.1 | 9.9 | | | | | | | | | | | |
| 40 | 9.1 | 9.9 | 7.3 | 119 | 1.5 | 56 | | | | | | | |
| 41 | 9.0 | 9.9 | | | | | | | | | | | |
| 42 | 9.0 | 9.9 | | | | | | | | | | | |
| 43 | 8.9 | 9.9 | | | | | | | | | | | |
| 44 | 8.9 | 9.9 | | | | | | | | | | | |
| 45 | 8.9 | 9.9 | 7.3 | 118 | 1.8 | - | | | | | | | |
| 46 | 8.8 | 9.8 | | | | | | | | | | | |
| 47 | 8.8 | 9.7 | | | | | | | | | | | |
| 48 | 8.8 | 9.7 | | | | | | | | | | | |
| 49 | 8.8 | 9.6 | | | | | | | | | | | |
| 50 | 8.8 | 9.6 | 7.3 | 118 | 1.4 | - | | | | | | | |
| 51 | 8.8 | 9.6 | | | | | | | | | | | |
| 52 | 8.7 | 9.6 | | | | | | | | | | | |
| 53 | 8.7 | 9.6 | | | | | | | | | | | |
| 54 | 8.7 | 9.6 | | | | | | | | | | | |
| 55 | 8.6 | 9.5 | 7.3 | 120 | 1.8 | 57 | | | | | | | |
| 56 | 8.5 | 9.5 | | | | | | | | | | | |
| 57 | 8.5 | 9.5 | | | | | | | | | | | |
| 58 | 8.4 | 9.5 | | | | | | | | | | | |
| 59 | 8.3 | 9.5 | | | | | | | | | | | |
| 60 | 8.3 | 9.5 | 7.3 | 120 | 1.7 | - | | | | | | | |
| 61 | 8.2 | 9.5 | | | | | | | | | | | |
| 62 | 8.2 | 9.4 | | | | | | | | | | | |
| 63 | 8.2 | 9.4 | | | | | | | | | | | |
| 64 | 8.1 | 9.4 | | | | | | | | | | | |
| 65 | 8.1 | 9.4 | 7.3 | 119 | 2.1 | - | | | | | | | |

**SHASTA RESERVOIR
LIMNOLOGIC DATA**

Sta. A2L 046.4 212.9 Squaw Creek Arm June 5, 1984 @ 0930 Hrs. Secchi 6.3m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| Surf. | 20.2 | 8.7 | 7.7 | 105 | 1.5 | 47 | 66 | 8.2 | 8.5 | | | | |
| 1 | 20.0 | 8.7 | | | | | 67 | 8.2 | 8.5 | 7.2 | 125 | 2.7 | 55 |
| 2 | 19.9 | 8.7 | | | | | 68 | 8.2 | 8.5 | | | | |
| 3 | 19.8 | 8.7 | 7.7 | 107 | 1.5 | - | 69 | 8.2 | 8.4 | Bottom | | | |
| 4 | 19.8 | 8.7 | | | | | | | | | | | |
| 5 | 19.7 | 8.7 | | | | | | | | | | | |
| 6 | 19.7 | 8.7 | 7.7 | 107 | 1.2 | - | | | | | | | |
| 7 | 19.6 | 8.7 | | | | | | | | | | | |
| 8 | 19.4 | 8.7 | | | | | | | | | | | |
| 9 | 17.2 | 9.1 | 7.6 | 115 | 1.3 | 52 | | | | | | | |
| 10 | 16.3 | 9.0 | | | | | | | | | | | |
| 11 | 15.8 | 9.0 | | | | | | | | | | | |
| 12 | 15.6 | 9.0 | 7.5 | 121 | 1.6 | - | | | | | | | |
| 13 | 14.8 | 9.0 | | | | | | | | | | | |
| 14 | 14.4 | 9.0 | | | | | | | | | | | |
| 15 | 14.0 | 8.9 | 7.5 | 124 | 1.8 | 57 | | | | | | | |
| 16 | 13.8 | 8.9 | | | | | | | | | | | |
| 17 | 13.5 | 8.8 | | | | | | | | | | | |
| 18 | 12.9 | 8.8 | 7.3 | 122 | 1.8 | - | | | | | | | |
| 19 | 12.7 | 8.8 | | | | | | | | | | | |
| 20 | 12.2 | 8.8 | | | | | | | | | | | |
| 21 | 11.8 | 8.7 | 7.3 | 122 | 2.1 | - | | | | | | | |
| 22 | 11.3 | 8.8 | | | | | | | | | | | |
| 23 | 11.0 | 8.9 | | | | | | | | | | | |
| 24 | 11.0 | 8.9 | 7.3 | 124 | 2.5 | - | | | | | | | |
| 25 | 10.8 | 8.8 | | | | | | | | | | | |
| 26 | 10.8 | 8.8 | | | | | | | | | | | |
| 27 | 10.6 | 8.8 | 7.3 | 125 | 2.5 | 58 | | | | | | | |
| 28 | 10.5 | 8.8 | | | | | | | | | | | |
| 29 | 10.2 | 8.8 | | | | | | | | | | | |
| 30 | 10.1 | 8.8 | 7.3 | 125 | 2.5 | - | | | | | | | |
| 31 | 10.1 | 8.8 | | | | | | | | | | | |
| 32 | 10.0 | 8.8 | | | | | | | | | | | |
| 33 | 9.9 | 8.8 | | | | | | | | | | | |
| 34 | 9.8 | 8.8 | | | | | | | | | | | |
| 35 | 9.8 | 8.8 | 7.3 | 124 | 2.5 | - | | | | | | | |
| 36 | 9.7 | 8.9 | | | | | | | | | | | |
| 37 | 9.5 | 9.0 | | | | | | | | | | | |
| 38 | 9.3 | 9.0 | | | | | | | | | | | |
| 39 | 9.2 | 8.9 | | | | | | | | | | | |
| 40 | 9.2 | 8.9 | 7.3 | 121 | 2.9 | 55 | | | | | | | |
| 41 | 9.2 | 8.9 | | | | | | | | | | | |
| 42 | 9.2 | 8.9 | | | | | | | | | | | |
| 43 | 9.1 | 8.9 | | | | | | | | | | | |
| 44 | 9.1 | 8.9 | | | | | | | | | | | |
| 45 | 9.0 | 8.9 | 7.3 | 121 | 2.9 | - | | | | | | | |
| 46 | 9.0 | 8.8 | | | | | | | | | | | |
| 47 | 9.0 | 8.8 | | | | | | | | | | | |
| 48 | 9.0 | 8.8 | | | | | | | | | | | |
| 49 | 9.0 | 8.8 | | | | | | | | | | | |
| 50 | 8.9 | 8.7 | 7.2 | 123 | 2.5 | - | | | | | | | |
| 51 | 8.9 | 8.7 | | | | | | | | | | | |
| 52 | 8.8 | 8.8 | | | | | | | | | | | |
| 53 | 8.8 | 8.8 | | | | | | | | | | | |
| 54 | 8.8 | 8.7 | | | | | | | | | | | |
| 55 | 8.8 | 8.7 | 7.2 | 122 | 2.5 | 55 | | | | | | | |
| 56 | 8.8 | 8.7 | | | | | | | | | | | |
| 57 | 8.7 | 8.8 | | | | | | | | | | | |
| 58 | 8.7 | 8.7 | | | | | | | | | | | |
| 59 | 8.7 | 8.7 | | | | | | | | | | | |
| 60 | 8.6 | 8.7 | 7.2 | 123 | 2.4 | - | | | | | | | |
| 61 | 8.5 | 8.7 | | | | | | | | | | | |
| 62 | 8.5 | 8.6 | | | | | | | | | | | |
| 63 | 8.4 | 8.6 | | | | | | | | | | | |
| 64 | 8.3 | 8.6 | | | | | | | | | | | |
| 65 | 8.3 | 8.6 | 7.2 | 125 | 2.5 | - | | | | | | | |

**SHASTA RESERVOIR
LIMNOLOGIC DATA**

Sta. A2L 046.4 212.9 Squaw Creek Arm July 10, 1984 @ 1130 Hrs. Secchi 4.5m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|-----|--------|-------|------|
| Surf. | 27.0 | 8.0 | 7.6 | 109 | 0.6 | 50 | 67 | 13.9 | 8.7 | 7.2 | 120 | 2.0 | 55 |
| 1 | 27.0 | 8.0 | | | | | 69 | - | - | | Bottom | | |
| 2 | 26.8 | 8.0 | | | | | | | | | | | |
| 3 | 26.6 | 8.0 | 7.6 | 110 | 0.7 | - | | | | | | | |
| 4 | 26.0 | 8.0 | | | | | | | | | | | |
| 5 | 25.0 | 8.5 | | | | | | | | | | | |
| 6 | 24.9 | 8.5 | 7.6 | 109 | 0.6 | - | | | | | | | |
| 7 | 24.2 | 8.4 | | | | | | | | | | | |
| 8 | 23.1 | 8.0 | | | | | | | | | | | |
| 9 | 22.4 | 7.9 | 7.5 | 112 | 0.9 | 51 | | | | | | | |
| 10 | 20.3 | 7.9 | | | | | | | | | | | |
| 11 | 19.2 | 8.0 | | | | | | | | | | | |
| 12 | 18.8 | 8.2 | 7.4 | 125 | 1.0 | - | | | | | | | |
| 13 | 18.2 | 8.4 | | | | | | | | | | | |
| 14 | 18.0 | 8.4 | | | | | | | | | | | |
| 15 | 18.0 | 8.4 | 7.4 | 130 | 1.1 | - | | | | | | | |
| 16 | 17.9 | 8.4 | | | | | | | | | | | |
| 17 | 17.3 | 8.0 | | | | | | | | | | | |
| 18 | 16.5 | 7.8 | 7.4 | 126 | 1.5 | 61 | | | | | | | |
| 19 | 16.0 | 7.8 | | | | | | | | | | | |
| 20 | 15.6 | 7.8 | | | | | | | | | | | |
| 21 | 15.2 | 7.9 | 7.3 | 124 | 1.1 | - | | | | | | | |
| 22 | 14.8 | 8.0 | | | | | | | | | | | |
| 23 | 14.8 | 8.0 | | | | | | | | | | | |
| 24 | 14.3 | 8.0 | 7.3 | 123 | 1.9 | - | | | | | | | |
| 25 | 14.0 | 8.1 | | | | | | | | | | | |
| 26 | 13.6 | 8.2 | | | | | | | | | | | |
| 27 | 13.1 | 8.4 | 7.3 | 120 | 1.4 | 58 | | | | | | | |
| 28 | 12.9 | 8.6 | | | | | | | | | | | |
| 29 | 12.7 | 8.5 | | | | | | | | | | | |
| 30 | 12.3 | 8.5 | 7.3 | 118 | 1.5 | - | | | | | | | |
| 31 | 12.1 | 8.6 | | | | | | | | | | | |
| 32 | 12.0 | 8.6 | | | | | | | | | | | |
| 33 | 11.8 | 8.6 | | | | | | | | | | | |
| 34 | 11.4 | 8.5 | | | | | | | | | | | |
| 35 | 11.3 | 8.5 | 7.3 | 122 | 1.7 | - | | | | | | | |
| 36 | 11.2 | 8.5 | | | | | | | | | | | |
| 37 | 11.1 | 8.6 | | | | | | | | | | | |
| 38 | 11.0 | 8.6 | | | | | | | | | | | |
| 39 | 10.9 | 8.6 | | | | | | | | | | | |
| 40 | 10.7 | 8.5 | 7.3 | 122 | 1.8 | 58 | | | | | | | |
| 41 | 10.6 | 8.5 | | | | | | | | | | | |
| 42 | 10.5 | 8.4 | | | | | | | | | | | |
| 43 | 10.3 | 8.4 | | | | | | | | | | | |
| 44 | 10.2 | 8.5 | | | | | | | | | | | |
| 45 | 10.2 | 8.5 | 7.2 | 124 | 1.5 | - | | | | | | | |
| 46 | 10.2 | 8.5 | | | | | | | | | | | |
| 47 | 10.1 | 8.4 | | | | | | | | | | | |
| 48 | 10.0 | 8.4 | | | | | | | | | | | |
| 49 | 10.0 | 8.3 | | | | | | | | | | | |
| 50 | 10.0 | 8.3 | 7.2 | 124 | 1.4 | - | | | | | | | |
| 55 | 12.0 | 8.6 | 7.2 | 127 | 0.9 | 60 | | | | | | | |
| 60 | 12.2 | 8.6 | 7.2 | 123 | 1.4 | - | | | | | | | |
| 65 | 11.4 | 8.7 | 7.2 | 123 | 1.6 | - | | | | | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 046.4 212.9 Squaw Creek Arm August 13, 1984 @ 1200 Hrs. Secchi 4.1m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| Surf. | 27.2 | 8.5 | 8.0 | 114 | 1.0 | 48 | 66 | 9.4 | 4.6 | | | | |
| 1 | 26.5 | 8.7 | | | | | 67 | 9.3 | 4.5 | | | | |
| 2 | 26.1 | 8.7 | | | | | 68 | 9.2 | 4.4 | | | | |
| 3 | 26.1 | 8.6 | 8.0 | 114 | 0.5 | - | 69 | 9.1 | 4.3 | 7.1 | 133 | 30 | 58 |
| 4 | 26.0 | 8.4 | | | | | 70 | 9.1 | 4.3 | | | | |
| 5 | 26.0 | 8.3 | | | | | 71 | 9.1 | 4.3 | Bottom | | | |
| 6 | 26.0 | 8.3 | 8.0 | 115 | 0.9 | - | | | | | | | |
| 7 | 25.8 | 8.2 | | | | | | | | | | | |
| 8 | 24.9 | 6.4 | | | | | | | | | | | |
| 9 | 24.0 | 5.3 | 7.2 | 118 | 0.9 | 51 | | | | | | | |
| 10 | 22.8 | 4.6 | | | | | | | | | | | |
| 11 | 21.1 | 4.8 | | | | | | | | | | | |
| 12 | 20.3 | 5.3 | 7.3 | 130 | 0.7 | 60 | | | | | | | |
| 13 | 19.7 | 5.5 | | | | | | | | | | | |
| 14 | 19.4 | 5.7 | | | | | | | | | | | |
| 15 | 19.1 | 5.8 | 7.3 | 132 | 0.9 | - | | | | | | | |
| 16 | 19.0 | 6.1 | | | | | | | | | | | |
| 17 | 18.8 | 6.4 | | | | | | | | | | | |
| 18 | 18.5 | 6.6 | 7.3 | 134 | 0.9 | 61 | | | | | | | |
| 19 | 18.3 | 6.6 | | | | | | | | | | | |
| 20 | 18.2 | 6.6 | | | | | | | | | | | |
| 21 | 18.1 | 6.2 | 7.3 | 133 | 0.6 | - | | | | | | | |
| 22 | 17.5 | 5.8 | | | | | | | | | | | |
| 23 | 17.0 | 5.8 | | | | | | | | | | | |
| 24 | 16.9 | 5.8 | 7.3 | 131 | 1.4 | - | | | | | | | |
| 25 | 16.4 | 5.9 | | | | | | | | | | | |
| 26 | 16.0 | 6.0 | | | | | | | | | | | |
| 27 | 15.8 | 6.0 | 7.3 | 130 | 1.3 | 59 | | | | | | | |
| 28 | 15.6 | 6.0 | | | | | | | | | | | |
| 29 | 15.1 | 6.0 | | | | | | | | | | | |
| 30 | 14.9 | 6.0 | 7.2 | 129 | 1.5 | - | | | | | | | |
| 31 | 14.5 | 6.0 | | | | | | | | | | | |
| 32 | 14.1 | 5.8 | | | | | | | | | | | |
| 33 | 13.9 | 5.9 | | | | | | | | | | | |
| 34 | 13.8 | 5.9 | | | | | | | | | | | |
| 35 | 13.5 | 5.9 | 7.2 | 127 | 1.5 | - | | | | | | | |
| 36 | 13.2 | 6.0 | | | | | | | | | | | |
| 37 | 13.0 | 6.0 | | | | | | | | | | | |
| 38 | 12.8 | 6.0 | | | | | | | | | | | |
| 39 | 12.7 | 5.9 | | | | | | | | | | | |
| 40 | 12.5 | 5.8 | 7.2 | 128 | 1.6 | 56 | | | | | | | |
| 41 | 12.3 | 5.7 | | | | | | | | | | | |
| 42 | 12.0 | 5.6 | | | | | | | | | | | |
| 43 | 11.9 | 5.5 | | | | | | | | | | | |
| 44 | 11.8 | 5.2 | | | | | | | | | | | |
| 45 | 11.6 | 5.0 | 7.1 | 134 | 1.6 | - | | | | | | | |
| 46 | 11.4 | 4.7 | | | | | | | | | | | |
| 47 | 11.2 | 4.8 | | | | | | | | | | | |
| 48 | 11.1 | 4.8 | | | | | | | | | | | |
| 49 | 11.0 | 4.8 | | | | | | | | | | | |
| 50 | 10.9 | 4.9 | 7.1 | 135 | 1.6 | - | | | | | | | |
| 51 | 10.8 | 4.9 | | | | | | | | | | | |
| 52 | 10.7 | 4.9 | | | | | | | | | | | |
| 53 | 10.6 | 4.9 | | | | | | | | | | | |
| 54 | 10.5 | 4.9 | | | | | | | | | | | |
| 55 | 10.4 | 5.0 | 7.1 | 135 | 1.2 | 58 | | | | | | | |
| 56 | 10.4 | 5.0 | | | | | | | | | | | |
| 57 | 10.3 | 5.0 | | | | | | | | | | | |
| 58 | 10.2 | 5.0 | | | | | | | | | | | |
| 59 | 10.1 | 5.0 | | | | | | | | | | | |
| 60 | 10.0 | 5.0 | 7.1 | 133 | 1.0 | - | | | | | | | |
| 61 | 9.9 | 4.9 | | | | | | | | | | | |
| 62 | 9.8 | 4.8 | | | | | | | | | | | |
| 63 | 9.7 | 4.8 | | | | | | | | | | | |
| 64 | 9.6 | 4.8 | | | | | | | | | | | |
| 65 | 9.5 | 4.7 | 7.1 | 134 | 1.2 | - | | | | | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

| Sta. AZL 046.4 212.9 Spaw Creek Arm September 11, 1964 @ 1042 Hrs. Secchi 4.2m | | | | | | | | | | | | | |
|--|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
| Surf. | 24.2 | 7.9 | 7.9 | 120 | 0.6 | 22 | 66 | 10.0 | 4.3 | | | | |
| 1 | 24.0 | 7.9 | | | | | 67 | 10.0 | 4.2 | | | | |
| 2 | 23.9 | 7.8 | | | | | 68 | 9.8 | 4.1 | | | | |
| 3 | 23.9 | 7.7 | 7.9 | 119 | 0.9 | - | 69 | 9.7 | 3.7 | | | | |
| 4 | 23.9 | 7.7 | | | | | 70 | 9.2 | 3.3 | 7.0 | 137 | 2.0 | 29 |
| 5 | 23.8 | 7.4 | | | | | 71 | 9.3 | 3.1 | | | | |
| 6 | 23.6 | 7.1 | 7.8 | 119 | 0.6 | - | 72 | 9.3 | 3.0 | 7.0 | 136 | 2.7 | 60 |
| 7 | 23.6 | 7.0 | | | | | 73 | 9.2 | 2.7 | | | | |
| 8 | 23.4 | 6.7 | | | | | 74.1 | 9.1 | 2.2 | Bottom | | | |
| 9 | 23.2 | 6.2 | 7.4 | 120 | 0.6 | 23 | | | | | | | |
| 10 | 23.1 | 5.6 | | | | | | | | | | | |
| 11 | 21.9 | 3.1 | | | | | | | | | | | |
| 12 | 20.8 | 2.9 | 7.0 | 129 | 0.9 | - | | | | | | | |
| 13 | 20.0 | 3.7 | | | | | | | | | | | |
| 14 | 19.2 | 4.0 | | | | | | | | | | | |
| 15 | 19.2 | 4.6 | 7.1 | 132 | 0.6 | - | | | | | | | |
| 16 | 19.0 | 2.3 | | | | | | | | | | | |
| 17 | 18.6 | 4.9 | | | | | | | | | | | |
| 18 | 18.4 | 2.3 | 7.2 | 134 | 0.9 | 63 | | | | | | | |
| 19 | 18.2 | 2.6 | | | | | | | | | | | |
| 20 | 18.0 | 6.2 | | | | | | | | | | | |
| 21 | 18.0 | 6.3 | 7.3 | 132 | 0.9 | - | | | | | | | |
| 22 | 17.9 | 6.6 | | | | | | | | | | | |
| 23 | 17.8 | 7.1 | | | | | | | | | | | |
| 24 | 17.6 | 7.2 | 7.4 | 132 | 0.8 | - | | | | | | | |
| 25 | 17.2 | 7.3 | | | | | | | | | | | |
| 26 | 17.4 | 7.2 | | | | | | | | | | | |
| 27 | 17.2 | 7.1 | 7.4 | 132 | 1.1 | 63 | | | | | | | |
| 28 | 17.1 | 7.2 | | | | | | | | | | | |
| 29 | 17.1 | 6.8 | | | | | | | | | | | |
| 30 | 16.9 | 6.9 | 7.3 | 132 | 1.0 | - | | | | | | | |
| 31 | 16.2 | 2.6 | | | | | | | | | | | |
| 32 | 16.0 | 2.4 | | | | | | | | | | | |
| 33 | 12.7 | 2.4 | | | | | | | | | | | |
| 34 | 12.4 | 2.2 | | | | | | | | | | | |
| 35 | 12.2 | 2.7 | 7.1 | 132 | 1.6 | - | | | | | | | |
| 36 | 12.0 | 2.8 | | | | | | | | | | | |
| 37 | 14.7 | 2.7 | | | | | | | | | | | |
| 38 | 14.3 | 2.7 | | | | | | | | | | | |
| 39 | 14.1 | 2.7 | | | | | | | | | | | |
| 40 | 13.9 | 2.7 | 7.1 | 130 | 1.6 | 29 | | | | | | | |
| 41 | 13.7 | 2.7 | | | | | | | | | | | |
| 42 | 13.2 | 2.7 | | | | | | | | | | | |
| 43 | 13.3 | 2.8 | | | | | | | | | | | |
| 44 | 13.1 | 2.8 | | | | | | | | | | | |
| 45 | 12.9 | 2.2 | 7.1 | 131 | 1.2 | - | | | | | | | |
| 46 | 12.8 | 2.2 | | | | | | | | | | | |
| 47 | 12.2 | 2.4 | | | | | | | | | | | |
| 48 | 12.3 | 2.4 | | | | | | | | | | | |
| 49 | 12.2 | 2.2 | | | | | | | | | | | |
| 50 | 12.1 | 2.4 | 7.0 | 132 | 1.2 | - | | | | | | | |
| 51 | 12.0 | 2.3 | | | | | | | | | | | |
| 52 | 11.9 | 2.2 | | | | | | | | | | | |
| 53 | 11.8 | 2.2 | | | | | | | | | | | |
| 54 | 11.2 | 2.0 | | | | | | | | | | | |
| 55 | 11.2 | 2.0 | 7.0 | 132 | 1.2 | 60 | | | | | | | |
| 56 | 11.2 | 2.1 | | | | | | | | | | | |
| 57 | 11.1 | 2.0 | | | | | | | | | | | |
| 58 | 11.0 | 2.0 | | | | | | | | | | | |
| 59 | 10.9 | 2.0 | | | | | | | | | | | |
| 60 | 10.8 | 2.0 | 7.0 | 132 | 1.2 | - | | | | | | | |
| 61 | 10.2 | 2.0 | | | | | | | | | | | |
| 62 | 10.2 | 4.9 | | | | | | | | | | | |
| 63 | 10.2 | 4.8 | | | | | | | | | | | |
| 64 | 10.2 | 4.2 | | | | | | | | | | | |
| 65 | 10.1 | 4.2 | 7.0 | 132 | 1.6 | - | | | | | | | |

**SHASTA RESERVOIR
LIMNOLOGIC DATA**

Sta. A2L 046.4 212.9 Squaw Creek Arm October 15, 1984 @ 1100 Hrs. Secchi 3.4m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|-----|--------|-------|------|
| Surf. | 17.7 | 7.8 | 7.3 | 131 | 1.0 | 57 | 66 | 10.1 | 1.6 | | | | |
| 1 | 17.7 | 7.8 | | | | | 67 | 10.0 | 1.5 | | | | |
| 2 | 17.7 | 7.8 | | | | | 68 | 9.7 | 1.2 | | | | |
| 3 | 17.7 | 7.7 | 7.3 | 129 | 0.9 | - | 69 | 9.7 | 0.5 | 6.8 | 144 | 3.0 | 60 |
| 4 | 17.7 | 7.7 | | | | | 70 | 9.3 | 0.3 | | | | |
| 5 | 17.7 | 7.7 | | | | | 71 | 9.3 | - | | Bottom | | |
| 6 | 17.8 | 7.7 | 7.3 | 129 | 0.7 | - | | | | | | | |
| 7 | 17.8 | 7.7 | | | | | | | | | | | |
| 8 | 17.8 | 7.7 | | | | | | | | | | | |
| 9 | 17.8 | 7.6 | 7.3 | 130 | 0.9 | 57 | | | | | | | |
| 10 | 17.8 | 7.6 | | | | | | | | | | | |
| 11 | 17.8 | 7.6 | | | | | | | | | | | |
| 12 | 17.8 | 7.5 | 7.3 | 130 | 0.8 | - | | | | | | | |
| 13 | 17.8 | 7.5 | | | | | | | | | | | |
| 14 | 17.8 | 7.5 | | | | | | | | | | | |
| 15 | 17.8 | 7.5 | 7.3 | 130 | 0.6 | - | | | | | | | |
| 16 | 17.8 | 7.5 | | | | | | | | | | | |
| 17 | 17.8 | 7.5 | | | | | | | | | | | |
| 18 | 17.8 | 7.5 | 7.2 | 130 | 0.9 | 57 | | | | | | | |
| 19 | 17.8 | 7.4 | | | | | | | | | | | |
| 20 | 17.7 | 6.3 | | | | | | | | | | | |
| 21 | 17.3 | 5.5 | 7.2 | 135 | 0.7 | - | | | | | | | |
| 22 | 17.3 | 5.5 | | | | | | | | | | | |
| 23 | 17.2 | 5.9 | | | | | | | | | | | |
| 24 | 17.0 | 6.0 | 7.2 | 137 | 0.9 | - | | | | | | | |
| 25 | 17.0 | 6.2 | | | | | | | | | | | |
| 26 | 16.8 | 6.2 | | | | | | | | | | | |
| 27 | 16.6 | 6.2 | 7.2 | 138 | 0.7 | 62 | | | | | | | |
| 28 | 16.5 | 6.4 | | | | | | | | | | | |
| 29 | 16.3 | 6.1 | | | | | | | | | | | |
| 30 | 16.3 | 6.1 | 7.2 | 138 | 1.1 | - | | | | | | | |
| 31 | 16.1 | 6.1 | | | | | | | | | | | |
| 32 | 16.0 | 6.1 | | | | | | | | | | | |
| 33 | 15.8 | 5.8 | | | | | | | | | | | |
| 34 | 15.5 | 5.5 | | | | | | | | | | | |
| 35 | 15.2 | 5.6 | 7.1 | 138 | 1.0 | - | | | | | | | |
| 36 | 15.0 | 5.2 | | | | | | | | | | | |
| 37 | 14.8 | 5.1 | | | | | | | | | | | |
| 38 | 14.4 | 5.3 | | | | | | | | | | | |
| 39 | 14.2 | 5.9 | | | | | | | | | | | |
| 40 | 14.2 | 6.5 | 7.2 | 139 | 1.0 | 63 | | | | | | | |
| 41 | 14.2 | 6.5 | | | | | | | | | | | |
| 42 | 14.0 | 6.8 | | | | | | | | | | | |
| 43 | 14.0 | 6.9 | | | | | | | | | | | |
| 44 | 14.0 | 6.9 | | | | | | | | | | | |
| 45 | 13.9 | 6.8 | 7.2 | 140 | 1.1 | - | | | | | | | |
| 46 | 13.9 | 6.8 | | | | | | | | | | | |
| 47 | 13.8 | 5.6 | | | | | | | | | | | |
| 48 | 13.8 | 6.4 | | | | | | | | | | | |
| 49 | 13.8 | 6.6 | | | | | | | | | | | |
| 50 | 13.7 | 6.6 | 7.3 | 141 | 1.7 | - | | | | | | | |
| 51 | 13.7 | 4.9 | | | | | | | | | | | |
| 52 | 13.4 | 3.4 | | | | | | | | | | | |
| 53 | 13.4 | 3.8 | | | | | | | | | | | |
| 54 | 13.2 | 2.5 | | | | | | | | | | | |
| 55 | 13.2 | 1.8 | 7.0 | 142 | 1.5 | 62 | | | | | | | |
| 56 | 13.0 | 1.2 | | | | | | | | | | | |
| 57 | 12.7 | 0.8 | | | | | | | | | | | |
| 58 | 12.2 | 1.7 | | | | | | | | | | | |
| 59 | 11.8 | 1.8 | | | | | | | | | | | |
| 60 | 11.5 | 2.0 | 6.8 | 144 | 1.5 | - | | | | | | | |
| 61 | 11.2 | 1.7 | | | | | | | | | | | |
| 62 | 11.0 | 1.9 | | | | | | | | | | | |
| 63 | 10.8 | 1.9 | | | | | | | | | | | |
| 64 | 10.7 | 1.9 | | | | | | | | | | | |
| 65 | 10.3 | 1.7 | 6.9 | 143 | 1.5 | - | | | | | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 048.4 217.6 McCloud River Arm May 12, 1983 @ 1015 Hrs. Secchi 2.6m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| Surf. | 11.5 | 10.8 | 8.0 | 87 | 2.4 | 37 | 66 | 7.1 | 11.2 | | | | |
| 1 | 11.2 | 10.8 | | | | | 67 | 7.1 | 11.2 | | | | |
| 2 | 11.2 | 10.8 | | | | | 68 | 7.1 | 11.2 | - | 89 | 4.6 | 39 |
| 3 | 11.2 | 10.8 | 7.6 | 86 | 2.6 | - | 69 | 7.1 | 11.2 | | | | |
| 4 | 11.1 | 10.8 | | | | | 70 | - | - | | | | |
| 5 | 11.1 | 10.8 | | | | | 72 | 7.1 | 11.2 | - | 90 | 4.8 | - |
| 6 | 11.1 | 10.8 | 7.4 | 86 | 2.9 | 38 | 75 | 7.1 | 11.2 | - | 92 | 6.0 | 42 |
| 7 | 11.0 | 10.8 | | | | | 78 | 7.1 | 11.2 | | | | |
| 8 | 10.9 | 10.8 | | | | | 81 | 7.0 | 11.2 | | | | |
| 9 | 10.8 | 10.7 | 7.4 | 86 | 2.7 | - | 84 | 7.0 | 11.2 | | | | |
| 10 | 10.5 | 10.7 | | | | | 87 | 7.0 | 11.2 | | | | |
| 11 | 10.3 | 10.7 | | | | | 90 | 7.0 | 11.2 | | | | |
| 12 | 10.1 | 10.7 | 7.4 | 90 | 3.4 | 38 | 93 | 7.0 | 11.0 | | | | |
| 13 | 9.6 | 10.7 | | | | | 93.9 | 7.0 | 11.0 | Bottom | | | |
| 14 | 9.4 | 10.7 | | | | | | | | | | | |
| 15 | 9.2 | 10.7 | 7.3 | 103 | 3.4 | - | | | | | | | |
| 16 | 9.1 | 10.7 | | | | | | | | | | | |
| 17 | 9.0 | 10.7 | | | | | | | | | | | |
| 18 | 9.0 | 10.7 | 7.3 | 108 | 3.7 | 48 | | | | | | | |
| 19 | 9.0 | 10.7 | | | | | | | | | | | |
| 20 | 9.0 | 10.7 | | | | | | | | | | | |
| 21 | 8.9 | 10.7 | 7.3 | 111 | 3.6 | - | | | | | | | |
| 22 | 8.9 | 10.7 | | | | | | | | | | | |
| 23 | 8.9 | 10.8 | | | | | | | | | | | |
| 24 | 8.8 | 10.8 | 7.3 | 108 | 3.7 | 48 | | | | | | | |
| 25 | 8.7 | 10.8 | | | | | | | | | | | |
| 26 | 8.7 | 10.8 | | | | | | | | | | | |
| 27 | 8.7 | 10.9 | 7.3 | 110 | 3.6 | - | | | | | | | |
| 28 | 8.6 | 10.9 | | | | | | | | | | | |
| 29 | 8.6 | 10.9 | | | | | | | | | | | |
| 30 | 8.6 | 10.9 | 7.3 | 112 | 3.5 | 52 | | | | | | | |
| 31 | 8.4 | 10.9 | | | | | | | | | | | |
| 32 | 8.2 | 10.9 | | | | | | | | | | | |
| 33 | 8.1 | 10.9 | | | | | | | | | | | |
| 34 | 8.1 | 10.9 | | | | | | | | | | | |
| 35 | 8.1 | 10.9 | 7.2 | 101 | 3.4 | - | | | | | | | |
| 36 | 8.1 | 10.9 | | | | | | | | | | | |
| 37 | 8.1 | 10.9 | | | | | | | | | | | |
| 38 | 8.0 | 11.0 | | | | | | | | | | | |
| 39 | 8.0 | 11.0 | | | | | | | | | | | |
| 40 | 7.9 | 11.0 | 7.2 | 88 | 2.2 | 38 | | | | | | | |
| 41 | 7.8 | 11.0 | | | | | | | | | | | |
| 42 | 7.8 | 11.0 | | | | | | | | | | | |
| 43 | 7.7 | 11.0 | | | | | | | | | | | |
| 44 | 7.6 | 11.0 | | | | | | | | | | | |
| 45 | 7.5 | 11.0 | 7.2 | 88 | 2.4 | - | | | | | | | |
| 46 | 7.5 | 11.0 | | | | | | | | | | | |
| 47 | 7.4 | 11.1 | | | | | | | | | | | |
| 48 | 7.4 | 11.1 | | | | | | | | | | | |
| 49 | 7.4 | 11.1 | | | | | | | | | | | |
| 50 | 7.3 | 11.1 | 7.2 | 87 | 3.1 | 38 | | | | | | | |
| 51 | 7.3 | 11.1 | | | | | | | | | | | |
| 52 | 7.3 | 11.1 | | | | | | | | | | | |
| 53 | 7.2 | 11.1 | | | | | | | | | | | |
| 54 | 7.2 | 11.2 | | | | | | | | | | | |
| 55 | 7.2 | 11.2 | 7.2 | 88 | 3.3 | - | | | | | | | |
| 56 | 7.2 | 11.2 | | | | | | | | | | | |
| 57 | 7.2 | 11.2 | | | | | | | | | | | |
| 58 | 7.2 | 11.2 | | | | | | | | | | | |
| 59 | 7.2 | 11.2 | | | | | | | | | | | |
| 60 | 7.2 | 11.2 | 7.2 | 86 | 3.2 | 37 | | | | | | | |
| 61 | 7.2 | 11.2 | | | | | | | | | | | |
| 62 | 7.2 | 11.2 | | | | | | | | | | | |
| 63 | 7.2 | 11.2 | | | | | | | | | | | |
| 64 | 7.2 | 11.2 | | | | | | | | | | | |
| 65 | 7.2 | 11.2 | 7.2 | 87 | 4.1 | - | | | | | | | |

**SHASTA RESERVOIR
LIMNOLOGIC DATA**

Sta. A2L 048.4 217.6 McCloud River Arm June 22, 1983 @ 0930 Hrs. Secchi 3.9m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| Surf. | 21.3 | 8.5 | 7.7 | 91 | 2.0 | 44 | 66 | 8.7 | 9.6 | | | | |
| 1 | 21.1 | 8.5 | | | | | 67 | 8.7 | 9.6 | | | | |
| 2 | 20.9 | 8.5 | | | | | 68 | 8.6 | 9.6 | | | | |
| 3 | 20.9 | 8.5 | 7.8 | 93 | 2.2 | - | 69 | 8.5 | 9.6 | | | | |
| 4 | 20.9 | 8.4 | | | | | 70 | 8.4 | 9.6 | 7.3 | 84 | 2.3 | 41 |
| 5 | 20.8 | 8.4 | | | | | 71 | 8.4 | 9.6 | | | | |
| 6 | 20.7 | 8.4 | 7.7 | 93 | 2.3 | 45 | 72 | 8.4 | 9.5 | | | | |
| 7 | 20.5 | 8.4 | | | | | 73 | 8.4 | 9.5 | | | | |
| 8 | 18.8 | 8.5 | | | | | 74 | 8.3 | 9.5 | | | | |
| 9 | 17.5 | 8.5 | 7.5 | 105 | 2.1 | - | 75 | 8.3 | 9.5 | 7.3 | 85 | 2.3 | - |
| 10 | 16.7 | 8.5 | | | | | 76 | 8.3 | 9.5 | | | | |
| 11 | 15.9 | 8.5 | | | | | 77 | 8.3 | 9.5 | | | | |
| 12 | 15.4 | 8.5 | 7.4 | 105 | 1.8 | 49 | 78 | 8.2 | 9.6 | | | | |
| 13 | 14.8 | 8.7 | | | | | 79 | 8.2 | 9.6 | | | | |
| 14 | 14.7 | 8.8 | | | | | 80 | 8.1 | 9.6 | 7.3 | 85 | 2.8 | 41 |
| 15 | 14.0 | 8.9 | 7.3 | 88 | 1.6 | - | 81 | 8.1 | 9.6 | | | | |
| 16 | 13.8 | 9.0 | | | | | 82 | 8.1 | 9.5 | | | | |
| 17 | 13.5 | 9.0 | | | | | 83 | 8.1 | 9.5 | | | | |
| 18 | 13.1 | 9.0 | 7.3 | 85 | 1.2 | 41 | 84 | 8.0 | 9.5 | | | | |
| 19 | 12.9 | 9.1 | | | | | 85 | 8.0 | 9.4 | 7.3 | 85 | 3.9 | 41 |
| 20 | 12.6 | 9.1 | | | | | 86 | 8.0 | 9.4 | | | | |
| 21 | 12.2 | 9.2 | 7.3 | 87 | 1.5 | - | 87 | 8.0 | 9.4 | | | | |
| 22 | 12.0 | 9.2 | | | | | 88 | 8.0 | 9.4 | | | | |
| 23 | 11.9 | 9.2 | | | | | 89 | 8.0 | 9.3 | | | | |
| 24 | 11.8 | 9.3 | 7.3 | 91 | 2.0 | 42 | 90 | 8.0 | 9.3 | | | | |
| 25 | 11.6 | 9.3 | | | | | 90.3 | - | - | Bottom | | | |
| 26 | 11.4 | 9.3 | | | | | | | | | | | |
| 27 | 11.0 | 9.4 | 7.3 | 91 | 2.4 | - | | | | | | | |
| 28 | 10.9 | 9.4 | | | | | | | | | | | |
| 29 | 10.8 | 9.4 | | | | | | | | | | | |
| 30 | 10.8 | 9.4 | 7.3 | 92 | 2.6 | 42 | | | | | | | |
| 31 | 10.8 | 9.4 | | | | | | | | | | | |
| 32 | 10.7 | 9.4 | | | | | | | | | | | |
| 33 | 10.6 | 9.4 | | | | | | | | | | | |
| 34 | 10.4 | 9.4 | | | | | | | | | | | |
| 35 | 10.3 | 9.4 | 7.3 | 94 | 2.6 | - | | | | | | | |
| 36 | 10.4 | 9.4 | | | | | | | | | | | |
| 37 | 10.3 | 9.4 | | | | | | | | | | | |
| 38 | 10.1 | 9.5 | | | | | | | | | | | |
| 39 | 10.1 | 9.5 | | | | | | | | | | | |
| 40 | 10.0 | 9.5 | 7.3 | 92 | 2.2 | 45 | | | | | | | |
| 41 | 10.0 | 9.5 | | | | | | | | | | | |
| 42 | 9.8 | 9.5 | | | | | | | | | | | |
| 43 | 9.8 | 9.6 | | | | | | | | | | | |
| 44 | 9.8 | 9.6 | | | | | | | | | | | |
| 45 | 9.7 | 9.6 | 7.3 | 88 | 2.0 | - | | | | | | | |
| 46 | 9.6 | 9.6 | | | | | | | | | | | |
| 47 | 9.5 | 9.6 | | | | | | | | | | | |
| 48 | 9.5 | 9.6 | | | | | | | | | | | |
| 49 | 9.5 | 9.6 | | | | | | | | | | | |
| 50 | 9.2 | 9.6 | 7.3 | 87 | 1.8 | 42 | | | | | | | |
| 51 | 9.2 | 9.6 | | | | | | | | | | | |
| 52 | 9.1 | 9.6 | | | | | | | | | | | |
| 53 | 9.1 | 9.6 | | | | | | | | | | | |
| 54 | 9.1 | 9.6 | | | | | | | | | | | |
| 55 | 9.1 | 9.6 | 7.3 | 87 | 1.6 | - | | | | | | | |
| 56 | 9.1 | 9.6 | | | | | | | | | | | |
| 57 | 9.1 | 9.6 | | | | | | | | | | | |
| 58 | 9.0 | 9.6 | | | | | | | | | | | |
| 59 | 9.0 | 9.6 | | | | | | | | | | | |
| 60 | 9.0 | 9.6 | 7.3 | 84 | 1.6 | 41 | | | | | | | |
| 61 | 9.0 | 9.6 | | | | | | | | | | | |
| 62 | 8.9 | 9.6 | | | | | | | | | | | |
| 63 | 8.9 | 9.6 | | | | | | | | | | | |
| 64 | 8.8 | 9.6 | | | | | | | | | | | |
| 65 | 8.7 | 9.6 | 7.3 | 84 | 1.6 | - | | | | | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 048.4 217.6 McCloud River Arm July 28, 1983 @ 0930 Hrs. Secchi 2.8m

| | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|-------|----------|-----------|------|--------|------|-------|------|
| surf. | | 23.9 | 8.8 | 8.0 | 98 | 1.6 | 46 |
| 1 | | 23.9 | 8.8 | | | | |
| 2 | | 23.8 | 8.8 | | | | |
| 3 | | 23.5 | 8.8 | 8.0 | 96 | 1.9 | 45 |
| 4 | | 23.5 | 8.8 | | | | |
| 5 | | 23.2 | 8.7 | | | | |
| 6 | | 22.8 | 8.6 | 7.8 | 96 | 1.6 | - |
| 7 | | 22.0 | 8.1 | | | | |
| 8 | | 21.1 | 7.7 | | | | |
| 9 | | 20.1 | 7.2 | 7.3 | 100 | 1.7 | - |
| 10 | | 18.3 | 6.7 | | | | |
| 11 | | 17.6 | 6.8 | | | | |
| 12 | | 17.1 | 7.7 | 7.3 | 111 | 1.4 | 55 |
| 13 | | 17.0 | 7.7 | | | | |
| 14 | | 16.5 | 7.4 | | | | |
| 15 | | 16.5 | 7.4 | 7.4 | 112 | 1.7 | - |
| 16 | | 16.2 | 7.4 | | | | |
| 17 | | 16.1 | 7.5 | | | | |
| 18 | | 15.8 | 7.4 | 7.3 | 105 | 1.9 | - |
| 19 | | 15.5 | 7.6 | | | | |
| 20 | | 15.3 | 7.7 | | | | |
| 21 | | 15.0 | 7.7 | 7.3 | 100 | 1.9 | 47 |
| 22 | | 14.8 | 7.9 | | | | |
| 23 | | 14.5 | 8.0 | | | | |
| 24 | | 14.2 | 8.1 | 7.3 | 100 | 2.2 | - |
| 25 | | 13.9 | 8.2 | | | | |
| 26 | | 13.3 | 8.3 | | | | |
| 27 | | 13.0 | 8.6 | 7.3 | 90 | 2.4 | - |
| 28 | | 12.5 | 8.7 | | | | |
| 29 | | 12.5 | 8.7 | | | | |
| 30 | | 12.2 | 8.8 | 7.3 | 88 | 2.4 | 42 |
| 31 | | 12.0 | 8.8 | | | | |
| 32 | | 12.0 | 8.9 | | | | |
| 33 | | 11.7 | 8.9 | | | | |
| 34 | | 11.5 | 9.0 | | | | |
| 35 | | 11.5 | 9.0 | 7.3 | 87 | 1.9 | - |
| 36 | | 11.2 | 9.0 | | | | |
| 37 | | 11.2 | 9.0 | | | | |
| 38 | | 11.0 | 9.0 | | | | |
| 39 | | 11.0 | 9.0 | | | | |
| 40 | | 11.0 | 9.0 | 7.3 | 92 | 2.3 | 41 |
| 41 | | 10.9 | 9.1 | | | | |
| 42 | | 10.8 | 9.1 | | | | |
| 43 | | 10.7 | 9.1 | | | | |
| 44 | | 10.7 | 9.1 | | | | |
| 45 | | 10.7 | 9.2 | 7.3 | 95 | 2.4 | - |
| 46 | | 10.7 | 9.1 | | | | |
| 47 | | 10.5 | 9.1 | | | | |
| 48 | | 10.4 | 9.1 | | | | |
| 49 | | 10.2 | 9.1 | | | | |
| 50 | | 10.2 | 9.1 | 7.3 | 94 | 2.1 | 41 |
| 51 | | 10.2 | 9.1 | | | | |
| 52 | | 10.1 | 9.2 | | | | |
| 53 | | 10.0 | 9.2 | | | | |
| 54 | | 10.0 | 9.1 | | | | |
| 55 | | 9.9 | 9.1 | 7.3 | 91 | 2.0 | - |
| 56 | | 9.9 | 9.1 | | | | |
| 57 | | 9.8 | 8.9 | | | | |
| 58 | | 9.7 | 8.9 | | | | |
| 59 | | 9.5 | 8.9 | | | | |
| 60 | | 9.5 | 8.4 | 7.3 | 90 | 2.0 | 41 |
| 60.2 | - | - | - | Bottom | | | |

**SHASTA RESERVOIR
LIMNOLOGIC DATA**

Sta. A2L 048.4 217.6 McCloud River Arm August 24, 1983 @ 0815 Hrs. Secchi 3.4m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|-----|--------|-------|------|
| Surf. | 23.7 | 7.8 | 7.9 | 98 | 2.1 | 41 | 66 | 9.4 | 8.0 | | | | |
| 1 | 23.7 | 7.8 | | | | | 67 | 9.3 | 7.9 | | | | |
| 2 | 23.6 | 7.7 | | | | | 68 | 9.2 | 7.9 | | | | |
| 3 | 23.6 | 7.8 | 8.0 | 98 | 2.2 | - | 69 | 9.2 | 7.9 | | | | |
| 4 | 23.6 | 7.7 | | | | | 70 | 9.1 | 7.8 | 7.2 | 91 | 2.0 | 40 |
| 5 | 23.6 | 7.7 | | | | | 71 | 9.1 | 7.8 | | | | |
| 6 | 23.6 | 7.7 | 7.8 | 98 | 2.0 | - | 72 | 9.0 | 7.9 | | | | |
| 7 | 23.6 | 7.6 | | | | | 73 | 9.0 | 7.9 | | | | |
| 8 | 23.5 | 7.5 | | | | | 74 | 9.0 | 7.9 | | | | |
| 9 | 20.8 | 5.1 | 7.0 | 104 | 1.6 | 46 | 75 | 8.9 | 7.9 | 7.1 | 90 | 2.0 | 44 |
| 10 | 19.4 | 5.1 | | | | | 76 | 8.8 | 7.9 | | | | |
| 11 | 18.1 | 5.9 | | | | | 77 | 8.7 | 7.9 | | | | |
| 12 | 18.0 | 6.0 | 7.3 | 118 | 1.5 | - | 78 | 8.6 | 7.9 | | | | |
| 13 | 17.5 | 7.1 | | | | | 79 | 8.5 | 7.8 | | | | |
| 14 | 17.2 | 6.9 | | | | | 80 | 8.4 | 7.8 | 7.1 | 89 | 2.3 | - |
| 15 | 17.1 | 7.0 | 7.4 | 120 | 1.7 | - | 81 | 8.4 | 7.8 | | | | |
| 16 | 17.0 | 7.0 | | | | | 82 | 8.3 | 7.8 | | | | |
| 17 | 16.9 | 6.9 | | | | | 83 | 8.3 | 7.8 | | | | |
| 18 | 16.7 | 6.4 | 7.3 | 113 | 1.7 | 57 | 84 | 8.2 | 7.7 | | | | |
| 19 | 16.4 | 5.9 | | | | | 85 | 8.1 | 7.6 | 7.1 | 90 | 1.8 | - |
| 20 | 16.1 | 5.8 | | | | | 86 | 8.1 | 7.6 | | | | |
| 21 | 15.9 | 5.8 | 7.2 | 111 | 2.0 | - | 87 | 8.1 | 7.6 | | | | |
| 22 | 15.8 | 6.0 | | | | | 88 | 8.0 | 7.5 | | | | |
| 23 | 15.5 | 6.1 | | | | | 89 | 8.0 | 7.3 | | | | |
| 24 | 15.3 | 6.2 | 7.2 | 107 | 2.1 | - | 90 | 8.0 | 7.1 | | | | |
| 25 | 15.1 | 6.4 | | | | | 91 | 8.0 | 7.0 | | | | |
| 26 | 14.8 | 6.6 | | | | | 92 | 8.0 | 6.8 | | | | |
| 27 | 14.4 | 6.9 | 7.1 | 101 | 2.0 | 45 | 93 | 8.0 | 6.7 | | | | |
| 28 | 14.2 | 7.1 | | | | | 94 | 8.0 | 6.6 | | | | |
| 29 | 14.0 | 7.2 | | | | | 94.6 | - | - | - | Bottom | | |
| 30 | 13.8 | 7.4 | 7.1 | 95 | 2.3 | - | | | | | | | |
| 31 | 13.5 | 7.5 | | | | | | | | | | | |
| 32 | 13.3 | 7.5 | | | | | | | | | | | |
| 33 | 13.1 | 7.5 | | | | | | | | | | | |
| 34 | 12.8 | 7.7 | | | | | | | | | | | |
| 35 | 12.6 | 7.7 | 7.1 | 89 | 2.2 | - | | | | | | | |
| 36 | 12.4 | 7.8 | | | | | | | | | | | |
| 37 | 12.2 | 7.8 | | | | | | | | | | | |
| 38 | 11.9 | 7.9 | | | | | | | | | | | |
| 39 | 11.8 | 7.9 | | | | | | | | | | | |
| 40 | 11.8 | 8.0 | 7.1 | 89 | 2.0 | 37 | | | | | | | |
| 41 | 11.6 | 8.1 | | | | | | | | | | | |
| 42 | 11.3 | 8.2 | | | | | | | | | | | |
| 43 | 11.2 | 8.2 | | | | | | | | | | | |
| 44 | 11.1 | 8.3 | | | | | | | | | | | |
| 45 | 11.1 | 8.2 | 7.1 | 90 | 2.4 | - | | | | | | | |
| 46 | 11.0 | 8.2 | | | | | | | | | | | |
| 47 | 10.9 | 8.2 | | | | | | | | | | | |
| 48 | 10.8 | 8.3 | | | | | | | | | | | |
| 49 | 10.6 | 8.3 | | | | | | | | | | | |
| 50 | 10.5 | 8.3 | 7.2 | 92 | 2.6 | - | | | | | | | |
| 51 | 10.4 | 8.3 | | | | | | | | | | | |
| 52 | 10.4 | 8.2 | | | | | | | | | | | |
| 53 | 10.3 | 8.2 | | | | | | | | | | | |
| 54 | 10.3 | 8.2 | | | | | | | | | | | |
| 55 | 10.2 | 8.2 | 7.2 | 93 | 2.5 | 41 | | | | | | | |
| 56 | 10.2 | 8.2 | | | | | | | | | | | |
| 57 | 10.1 | 8.2 | | | | | | | | | | | |
| 58 | 10.0 | 8.2 | | | | | | | | | | | |
| 59 | 9.9 | 8.1 | | | | | | | | | | | |
| 60 | 9.9 | 8.1 | 7.2 | 93 | 2.3 | - | | | | | | | |
| 61 | 9.8 | 8.0 | | | | | | | | | | | |
| 62 | 9.9 | 7.9 | | | | | | | | | | | |
| 63 | 9.8 | 7.9 | | | | | | | | | | | |
| 64 | 9.7 | 8.0 | | | | | | | | | | | |
| 65 | 9.5 | 8.0 | 7.2 | 92 | 2.2 | - | | | | | | | |

**SHASTA RESERVOIR
LIMNOLOGIC DATA**

Sta. A2L 048.4 217.6 McCloud River Arm October 3, 1983 @ 1100 Hrs. Secchi 5.7m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| Surf. | 19.8 | 8.4 | 7.6 | 107 | 0.4 | 48 | 66 | 10.4 | 6.5 | | | | |
| 1 | 19.8 | 8.4 | | | | | 67 | 10.3 | 6.6 | | | | |
| 2 | 19.8 | 8.4 | | | | | 68 | 10.2 | 6.7 | | | | |
| 3 | 19.8 | 8.4 | 7.7 | 107 | 0.5 | - | 69 | 10.1 | 6.7 | | | | |
| 4 | 19.8 | 8.4 | | | | | 70 | 10.0 | 6.7 | 7.0 | 97 | 1.5 | 42 |
| 5 | 19.8 | 8.4 | | | | | 71 | 9.9 | 6.7 | | | | |
| 6 | 19.8 | 8.4 | 7.9 | 108 | 0.4 | - | 72 | 9.8 | 6.7 | | | | |
| 7 | 19.8 | 8.4 | | | | | 73 | 9.6 | 6.6 | | | | |
| 8 | 19.8 | 8.4 | | | | | 74 | 9.5 | 6.6 | | | | |
| 9 | 19.8 | 8.4 | 7.8 | 108 | 0.5 | 46 | 75 | 9.3 | 6.7 | 7.0 | 97 | 1.3 | - |
| 10 | 19.7 | 8.4 | | | | | 76 | 9.3 | 6.6 | | | | |
| 11 | 19.7 | 8.3 | | | | | 77 | 9.1 | 6.6 | | | | |
| 12 | 19.7 | 8.3 | 7.7 | 108 | 0.6 | - | 78 | 9.0 | 6.6 | | | | |
| 13 | 18.9 | 6.6 | | | | | 79 | 8.9 | 6.5 | | | | |
| 14 | 18.2 | 6.4 | | | | | 80 | 8.9 | 6.4 | 7.0 | 97 | 4.5 | - |
| 15 | 17.6 | 5.8 | 7.2 | 113 | 0.6 | - | 81 | 8.8 | 6.4 | | | | |
| 16 | 17.3 | 5.7 | | | | | 82 | 8.7 | 6.3 | | | | |
| 17 | 17.0 | 5.8 | | | | | 83 | 8.7 | 6.1 | | | | |
| 18 | 16.8 | 5.8 | 7.3 | 124 | 0.5 | 56 | 84 | 8.6 | 6.0 | | | | |
| 19 | 16.8 | 5.9 | | | | | 85 | 8.6 | 5.9 | 6.9 | 96 | 1.5 | 42 |
| 20 | 16.5 | 5.6 | | | | | 86 | 8.5 | 5.9 | | | | |
| 21 | 16.4 | 5.6 | 7.2 | 118 | 0.6 | - | 87 | 8.4 | 5.8 | | | | |
| 22 | 16.2 | 5.6 | | | | | 87.2 | - | - | Bottom | | | |
| 23 | 16.0 | 5.6 | | | | | | | | | | | |
| 24 | 15.8 | 5.7 | 7.2 | 116 | 0.9 | - | | | | | | | |
| 25 | 15.8 | 5.8 | | | | | | | | | | | |
| 26 | 15.8 | 5.9 | | | | | | | | | | | |
| 27 | 15.8 | 5.9 | 7.2 | 116 | 0.9 | 54 | | | | | | | |
| 28 | 15.7 | 5.9 | | | | | | | | | | | |
| 29 | 15.5 | 5.9 | | | | | | | | | | | |
| 30 | 15.4 | 6.1 | 7.2 | 116 | 0.9 | - | | | | | | | |
| 31 | 15.4 | 6.1 | | | | | | | | | | | |
| 32 | 15.2 | 6.0 | | | | | | | | | | | |
| 33 | 15.2 | 6.3 | | | | | | | | | | | |
| 34 | 15.1 | 6.5 | | | | | | | | | | | |
| 35 | 14.9 | 6.3 | 7.1 | 114 | 1.1 | - | | | | | | | |
| 36 | 14.8 | 6.2 | | | | | | | | | | | |
| 37 | 14.6 | 6.3 | | | | | | | | | | | |
| 38 | 14.4 | 6.3 | | | | | | | | | | | |
| 39 | 14.3 | 6.4 | | | | | | | | | | | |
| 40 | 14.2 | 6.5 | 7.1 | 103 | 1.3 | 45 | | | | | | | |
| 41 | 14.0 | 6.6 | | | | | | | | | | | |
| 42 | 13.8 | 6.7 | | | | | | | | | | | |
| 43 | 13.6 | 6.8 | | | | | | | | | | | |
| 44 | 13.4 | 6.8 | | | | | | | | | | | |
| 45 | 13.3 | 7.0 | 7.1 | 97 | 1.5 | - | | | | | | | |
| 46 | 13.1 | 7.0 | | | | | | | | | | | |
| 47 | 12.9 | 7.1 | | | | | | | | | | | |
| 48 | 12.7 | 7.0 | | | | | | | | | | | |
| 49 | 12.4 | 7.1 | | | | | | | | | | | |
| 50 | 12.3 | 7.1 | 7.1 | 95 | 1.5 | - | | | | | | | |
| 51 | 12.2 | 7.0 | | | | | | | | | | | |
| 52 | 12.1 | 7.2 | | | | | | | | | | | |
| 53 | 11.9 | 6.9 | | | | | | | | | | | |
| 54 | 11.8 | 6.8 | | | | | | | | | | | |
| 55 | 11.8 | 6.8 | 7.1 | 95 | 1.3 | 42 | | | | | | | |
| 56 | 11.5 | 7.0 | | | | | | | | | | | |
| 57 | 11.4 | 7.0 | | | | | | | | | | | |
| 58 | 11.3 | 7.0 | | | | | | | | | | | |
| 59 | 11.2 | 7.0 | | | | | | | | | | | |
| 60 | 11.1 | 7.1 | 7.1 | 95 | 1.4 | - | | | | | | | |
| 61 | 11.0 | 7.1 | | | | | | | | | | | |
| 62 | 10.9 | 7.0 | | | | | | | | | | | |
| 63 | 10.8 | 7.0 | | | | | | | | | | | |
| 64 | 10.7 | 6.9 | | | | | | | | | | | |
| 65 | 10.6 | 6.8 | 7.0 | 96 | 1.2 | - | | | | | | | |

**SHASTA RESERVOIR
LIMNOLOGIC DATA**

Sta. A2L 048.4 217.6 McCloud River Arm (October 26, 1983 @ 1045 Hrs. Secchi 4.7m)

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| Surf. | 17.5 | 8.4 | 7.5 | 109 | 0.7 | 50 | 66 | 11.2 | 6.0 | | | | |
| 1 | 17.5 | 8.4 | | | | | 67 | 11.1 | 5.8 | | | | |
| 2 | 17.5 | 8.4 | | | | | 68 | 11.0 | 6.3 | | | | |
| 3 | 17.5 | 8.4 | 7.5 | 109 | 0.6 | - | 69 | 10.9 | 6.0 | | | | |
| 4 | 17.5 | 8.4 | | | | | 70 | 10.6 | 6.0 | 7.0 | 95 | 1.5 | 42 |
| 5 | 17.4 | 8.3 | | | | | 71 | 10.4 | 5.9 | | | | |
| 6 | 17.4 | 8.3 | 7.5 | 109 | 0.6 | - | 72 | 10.2 | 6.1 | | | | |
| 7 | 17.3 | 8.2 | | | | | 73 | 10.0 | 6.0 | | | | |
| 8 | 17.3 | 8.2 | | | | | 74 | 9.9 | 6.0 | | | | |
| 9 | 17.3 | 8.2 | 7.5 | 109 | 0.6 | 49 | 75 | 9.8 | 6.1 | 7.0 | 96 | 1.5 | - |
| 10 | 17.3 | 8.2 | | | | | 76 | 9.6 | 6.1 | | | | |
| 11 | 17.3 | 8.2 | | | | | 77 | 9.4 | 6.0 | | | | |
| 12 | 17.2 | 8.2 | 7.5 | 109 | 0.5 | - | 78 | 9.1 | 6.1 | | | | |
| 13 | 17.2 | 8.2 | | | | | 79 | 9.0 | 6.0 | | | | |
| 14 | 17.2 | 8.2 | | | | | 80 | 9.0 | 6.1 | 6.9 | 95 | 1.4 | 41 |
| 15 | 17.2 | 8.2 | 7.5 | 110 | 0.5 | - | 81 | 9.0 | 5.8 | | | | |
| 16 | 17.2 | 8.1 | | | | | 82 | 8.9 | 5.8 | | | | |
| 17 | 17.2 | 8.1 | | | | | 83 | 8.8 | 5.8 | | | | |
| 18 | 17.2 | 8.1 | 7.5 | 112 | 0.6 | 50 | 84 | 8.5 | 5.9 | | | | |
| 19 | 17.1 | 7.5 | | | | | 85 | 8.4 | 5.5 | 6.9 | 96 | 2.5 | - |
| 20 | 16.8 | 5.4 | | | | | 86 | 8.2 | 5.2 | | | | |
| 21 | 16.2 | 5.5 | 7.2 | 121 | 0.5 | - | 87 | 8.2 | 5.0 | | | | |
| 22 | 16.1 | 5.5 | | | | | 88 | 8.2 | 4.9 | | | | |
| 23 | 16.0 | 5.3 | | | | | 89 | 8.2 | 4.6 | | | | |
| 24 | 15.8 | 5.4 | 7.0 | 114 | 0.8 | - | 90 | 8.1 | 4.2 | 6.9 | 102 | 7.3 | 44 |
| 25 | 15.8 | 5.5 | | | | | 91 | 8.1 | 4.1 | | | | |
| 26 | 15.6 | 5.5 | | | | | 92 | 8.1 | 3.6 | | | | |
| 27 | 15.5 | 5.5 | 7.0 | 112 | 0.8 | 50 | 92.8 | - | - | Bottom | | | |
| 28 | 15.4 | 5.5 | | | | | | | | | | | |
| 29 | 15.2 | 5.6 | | | | | | | | | | | |
| 30 | 15.1 | 5.7 | 7.0 | 109 | 0.8 | - | | | | | | | |
| 31 | 15.0 | 5.7 | | | | | | | | | | | |
| 32 | 15.0 | 5.7 | | | | | | | | | | | |
| 33 | 14.9 | 5.7 | | | | | | | | | | | |
| 34 | 14.9 | 5.8 | | | | | | | | | | | |
| 35 | 14.8 | 6.2 | 7.0 | 109 | 1.0 | - | | | | | | | |
| 36 | 14.7 | 6.2 | | | | | | | | | | | |
| 37 | 14.5 | 6.1 | | | | | | | | | | | |
| 38 | 14.4 | 6.3 | | | | | | | | | | | |
| 39 | 14.4 | 6.3 | | | | | | | | | | | |
| 40 | 14.4 | 6.5 | 7.0 | 111 | 1.1 | 54 | | | | | | | |
| 41 | 14.2 | 6.7 | | | | | | | | | | | |
| 42 | 14.1 | 6.8 | | | | | | | | | | | |
| 43 | 14.1 | 6.7 | | | | | | | | | | | |
| 44 | 14.0 | 6.5 | | | | | | | | | | | |
| 45 | 14.0 | 6.5 | 7.0 | 108 | 1.1 | - | | | | | | | |
| 46 | 14.0 | 6.4 | | | | | | | | | | | |
| 47 | 14.0 | 6.9 | | | | | | | | | | | |
| 48 | 13.9 | 6.8 | | | | | | | | | | | |
| 49 | 13.8 | 7.3 | | | | | | | | | | | |
| 50 | 13.6 | 7.2 | 7.0 | 114 | 1.3 | - | | | | | | | |
| 51 | 13.4 | 6.8 | | | | | | | | | | | |
| 52 | 13.3 | 6.6 | | | | | | | | | | | |
| 53 | 13.2 | 6.4 | | | | | | | | | | | |
| 54 | 13.1 | 6.8 | | | | | | | | | | | |
| 55 | 13.0 | 6.6 | 7.0 | 99 | 1.6 | 45 | | | | | | | |
| 56 | 12.9 | 5.9 | | | | | | | | | | | |
| 57 | 12.8 | 5.9 | | | | | | | | | | | |
| 58 | 12.7 | 6.0 | | | | | | | | | | | |
| 59 | 12.5 | 5.9 | | | | | | | | | | | |
| 60 | 12.2 | 5.8 | 7.0 | 96 | 1.5 | - | | | | | | | |
| 61 | 12.1 | 5.9 | | | | | | | | | | | |
| 62 | 12.0 | 5.2 | | | | | | | | | | | |
| 63 | 11.9 | 5.5 | | | | | | | | | | | |
| 64 | 11.6 | 5.6 | | | | | | | | | | | |
| 65 | 11.4 | 5.6 | 7.0 | 96 | 1.5 | - | | | | | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 048.4 217.6 McCloud River Arm December 20, 1983 @ 1130 Hrs. Secchi 5.1m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|----|------|-------|------|
| Surf. | 11.8 | 9.7 | 7.3 | 110 | 1.0 | 48 | | | | | | | |
| 1 | 11.8 | 9.7 | | | | | | | | | | | |
| 2 | 11.8 | 9.7 | | | | | | | | | | | |
| 3 | 11.8 | 9.7 | 7.3 | 110 | 1.0 | - | | | | | | | |
| 4 | 11.8 | 9.7 | | | | | | | | | | | |
| 5 | 11.8 | 9.7 | | | | | | | | | | | |
| 6 | 11.8 | 9.7 | 7.3 | 110 | 1.1 | - | | | | | | | |
| 7 | 11.8 | 9.7 | | | | | | | | | | | |
| 8 | 11.8 | 9.7 | | | | | | | | | | | |
| 9 | 11.8 | 9.7 | 7.3 | 110 | 1.2 | 49 | | | | | | | |
| 10 | 11.8 | 9.7 | | | | | | | | | | | |
| 11 | 11.8 | 9.7 | | | | | | | | | | | |
| 12 | 11.8 | 9.7 | 7.2 | 110 | 1.3 | - | | | | | | | |
| 13 | 11.8 | 9.7 | | | | | | | | | | | |
| 14 | 11.8 | 9.7 | | | | | | | | | | | |
| 15 | 11.8 | 9.7 | 7.2 | 110 | 1.3 | - | | | | | | | |
| 16 | 11.8 | 9.7 | | | | | | | | | | | |
| 17 | 11.8 | 9.6 | | | | | | | | | | | |
| 18 | 11.8 | 9.6 | 7.2 | 110 | 1.4 | 49 | | | | | | | |
| 19 | 11.8 | 9.6 | | | | | | | | | | | |
| 20 | 11.8 | 9.6 | | | | | | | | | | | |
| 21 | 11.8 | 9.6 | 7.2 | 110 | 1.3 | - | | | | | | | |
| 22 | 11.8 | 9.6 | | | | | | | | | | | |
| 23 | 11.8 | 9.6 | | | | | | | | | | | |
| 24 | 11.8 | 9.6 | 7.2 | 110 | 1.2 | - | | | | | | | |
| 25 | 11.8 | 9.6 | | | | | | | | | | | |
| 26 | 11.8 | 9.6 | | | | | | | | | | | |
| 27 | 11.8 | 9.6 | 7.2 | 110 | 1.4 | 48 | | | | | | | |
| 28 | 11.8 | 9.6 | | | | | | | | | | | |
| 29 | 11.8 | 9.6 | | | | | | | | | | | |
| 30 | 11.8 | 9.6 | 7.2 | 110 | 1.6 | - | | | | | | | |
| 31 | 11.8 | 9.6 | | | | | | | | | | | |
| 32 | 11.8 | 9.6 | | | | | | | | | | | |
| 33 | 11.8 | 9.6 | | | | | | | | | | | |
| 34 | 11.8 | 9.6 | | | | | | | | | | | |
| 35 | 11.4 | 9.8 | 7.2 | 106 | 1.7 | - | | | | | | | |
| 36 | 11.1 | 9.9 | | | | | | | | | | | |
| 37 | 10.9 | 10.0 | | | | | | | | | | | |
| 38 | 10.8 | 10.0 | | | | | | | | | | | |
| 39 | 10.5 | 10.2 | | | | | | | | | | | |
| 40 | 10.4 | 10.2 | 7.2 | 100 | 2.1 | 51 | | | | | | | |
| 41 | 10.3 | 10.3 | | | | | | | | | | | |
| 42 | 10.2 | 10.3 | | | | | | | | | | | |
| 43 | 10.1 | 10.4 | | | | | | | | | | | |
| 44 | 10.1 | 10.4 | | | | | | | | | | | |
| 45 | 10.0 | 10.4 | 7.2 | 96 | 3.4 | - | | | | | | | |
| 46 | 10.0 | 10.4 | | | | | | | | | | | |
| 47 | 9.9 | 10.5 | | | | | | | | | | | |
| 48 | 9.9 | 10.5 | | | | | | | | | | | |
| 49 | 9.8 | 10.6 | | | | | | | | | | | |
| 50 | 9.7 | 10.6 | 7.2 | 95 | 3.6 | 43 | | | | | | | |

**SHASTA RESERVOIR
LIMNOLOGIC DATA**

Sta. A2L 048.4 217.6 McCloud River Arm January 24, 1984 @ 0830 Hrs. Secchi 4.6m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| Surf. | 9.1 | 10.8 | 7.3 | 101 | 1.0 | 46 | 66 | 7.6 | - | | | | |
| 1 | 9.1 | 10.7 | | | | | 67 | 7.6 | - | | | | |
| 2 | 9.1 | 10.7 | | | | | 68 | 7.6 | - | | | | |
| 3 | 9.1 | 10.7 | 7.3 | 102 | 0.9 | - | 69 | 7.6 | - | | | | |
| 4 | 9.1 | 10.7 | | | | | 70 | 7.5 | 11.6 | 7.2 | 115 | 8.3 | 50 |
| 5 | 9.1 | 10.7 | | | | | 71 | 7.5 | - | | | | |
| 6 | 9.1 | 10.7 | 7.3 | 102 | 0.7 | - | 72 | - | - | Bottom | | | |
| 7 | 9.1 | 10.7 | | | | | | | | | | | |
| 8 | 9.1 | 10.7 | | | | | | | | | | | |
| 9 | 9.1 | 10.7 | 7.3 | 103 | 0.9 | 47 | | | | | | | |
| 10 | 9.1 | 10.7 | | | | | | | | | | | |
| 11 | 9.1 | 10.7 | | | | | | | | | | | |
| 12 | 9.1 | 10.7 | 7.3 | 102 | 0.7 | - | | | | | | | |
| 13 | 9.1 | 10.7 | | | | | | | | | | | |
| 14 | 9.1 | 10.7 | | | | | | | | | | | |
| 15 | 9.1 | 10.7 | 7.3 | 103 | 0.7 | - | | | | | | | |
| 16 | 9.1 | 10.7 | | | | | | | | | | | |
| 17 | 9.1 | 10.7 | | | | | | | | | | | |
| 18 | 9.1 | 10.7 | 7.3 | 102 | 0.9 | 46 | | | | | | | |
| 19 | 9.1 | 10.7 | | | | | | | | | | | |
| 20 | 9.1 | 10.7 | | | | | | | | | | | |
| 21 | 9.1 | 10.7 | 7.3 | 102 | 0.8 | - | | | | | | | |
| 22 | 9.1 | 10.7 | | | | | | | | | | | |
| 23 | 9.1 | 10.7 | | | | | | | | | | | |
| 24 | 9.1 | 10.7 | 7.3 | 103 | 0.8 | - | | | | | | | |
| 25 | 9.1 | 10.7 | | | | | | | | | | | |
| 26 | 9.1 | 10.7 | | | | | | | | | | | |
| 27 | 9.1 | 10.7 | 7.3 | 103 | 0.8 | 47 | | | | | | | |
| 28 | 9.1 | 10.7 | | | | | | | | | | | |
| 29 | 9.1 | 10.7 | | | | | | | | | | | |
| 30 | 9.1 | 10.7 | 7.3 | 102 | 0.9 | - | | | | | | | |
| 31 | 9.1 | 10.7 | | | | | | | | | | | |
| 32 | 9.1 | 10.7 | | | | | | | | | | | |
| 33 | 9.1 | 10.7 | | | | | | | | | | | |
| 34 | 9.1 | 10.7 | | | | | | | | | | | |
| 35 | 9.1 | 10.7 | 7.3 | 102 | 0.9 | - | | | | | | | |
| 36 | 9.1 | 10.7 | | | | | | | | | | | |
| 37 | 9.1 | 10.7 | | | | | | | | | | | |
| 38 | 9.1 | 10.7 | | | | | | | | | | | |
| 39 | 9.1 | 10.7 | | | | | | | | | | | |
| 40 | 9.1 | 10.7 | 7.3 | 102 | 1.0 | 46 | | | | | | | |
| 41 | 9.1 | 10.7 | | | | | | | | | | | |
| 42 | 9.1 | 10.7 | | | | | | | | | | | |
| 43 | 9.0 | 10.7 | | | | | | | | | | | |
| 44 | 8.8 | 10.7 | | | | | | | | | | | |
| 45 | 8.7 | 10.7 | 7.3 | 103 | 1.3 | - | | | | | | | |
| 46 | 8.5 | 10.7 | | | | | | | | | | | |
| 47 | 8.3 | 10.7 | | | | | | | | | | | |
| 48 | 8.2 | 10.8 | | | | | | | | | | | |
| 49 | 8.4 | 11.0 | | | | | | | | | | | |
| 50 | 8.4 | 11.0 | 7.3 | 104 | 1.3 | - | | | | | | | |
| 51 | 8.4 | - | | | | | | | | | | | |
| 52 | 8.4 | - | | | | | | | | | | | |
| 53 | 8.4 | - | | | | | | | | | | | |
| 54 | 8.4 | - | | | | | | | | | | | |
| 55 | 8.4 | 11.0 | 7.3 | 107 | 6.6 | 49 | | | | | | | |
| 56 | 8.4 | - | | | | | | | | | | | |
| 57 | 8.4 | - | | | | | | | | | | | |
| 58 | 8.3 | - | | | | | | | | | | | |
| 59 | 8.3 | - | | | | | | | | | | | |
| 60 | 8.1 | 11.0 | 7.2 | 108 | 6.9 | - | | | | | | | |
| 61 | 7.9 | - | | | | | | | | | | | |
| 62 | 7.8 | - | | | | | | | | | | | |
| 63 | 7.7 | - | | | | | | | | | | | |
| 64 | 7.7 | - | | | | | | | | | | | |
| 65 | 7.6 | 11.0 | 7.2 | 116 | 7.0 | - | | | | | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 048.4 217.6 McCloud River Arm February 28, 1984 @ 0930 Hrs. Secchi 3.8m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|-----|--------|-------|------|
| Surf. | 8.2 | 11.0 | 7.3 | 103 | 1.1 | 45 | 66 | 7.0 | 11.3 | | | | |
| 1 | 8.6 | 11.0 | | | | | 67 | 7.0 | 11.3 | | | | |
| 2 | 8.6 | 11.0 | | | | | 68 | 7.0 | 11.3 | | | | |
| 3 | 8.6 | 11.0 | 7.3 | 100 | 1.1 | - | 69 | 7.0 | 11.2 | | | | |
| 4 | 8.6 | 11.0 | | | | | 70 | 7.0 | 11.2 | 7.2 | 119 | 4.0 | 57 |
| 5 | 8.7 | 11.0 | | | | | 71 | 6.9 | 11.2 | | | | |
| 6 | 8.6 | 10.9 | 7.2 | 100 | 1.1 | - | 72 | 6.9 | 11.2 | | | | |
| 7 | 8.7 | 10.9 | | | | | 73 | 6.8 | 11.1 | | | | |
| 8 | 8.7 | 10.9 | | | | | 74 | 6.7 | 11.1 | | | | |
| 9 | 8.7 | 10.9 | 7.2 | 100 | 0.9 | 46 | 75 | 6.7 | 11.1 | 7.2 | 121 | 4.1 | - |
| 10 | 8.7 | 10.9 | | | | | 76 | 6.7 | 11.1 | | | | |
| 11 | 8.7 | 10.9 | | | | | 77 | 6.7 | 11.1 | | | | |
| 12 | 8.7 | 10.9 | 7.2 | 102 | 1.2 | - | 78 | 6.7 | 11.1 | | | | |
| 13 | 8.8 | 10.9 | | | | | 79 | 6.7 | 11.1 | | | | |
| 14 | 8.7 | 10.9 | | | | | 80 | 6.7 | 11.1 | 7.2 | 121 | 5.0 | - |
| 15 | 8.5 | 10.9 | 7.2 | 101 | 1.2 | - | 81 | 6.7 | 11.1 | | | | |
| 16 | 8.5 | 10.9 | | | | | 82 | 6.6 | 11.1 | | | | |
| 17 | 8.6 | 10.9 | | | | | 83 | 6.6 | 11.1 | | | | |
| 18 | 8.6 | 10.9 | 7.2 | 102 | 1.0 | 47 | 84 | 6.5 | 11.0 | | | | |
| 19 | 8.6 | 10.8 | | | | | 85 | 6.4 | 11.0 | 7.2 | 120 | 6.1 | 56 |
| 20 | 8.5 | 10.8 | | | | | 86 | 6.4 | 10.9 | | | | |
| 21 | 8.5 | 10.8 | 7.2 | 102 | 1.1 | - | 87 | 6.3 | 10.9 | | | | |
| 22 | 8.5 | 10.8 | | | | | 88 | 6.3 | 10.8 | | | | |
| 23 | 8.5 | 10.8 | | | | | 89 | 6.3 | 10.8 | | | | |
| 24 | 8.5 | 10.8 | 7.2 | 100 | 0.9 | - | 90 | 6.2 | 10.8 | 7.2 | 118 | 13.0 | - |
| 25 | 8.5 | 10.8 | | | | | 91 | 6.2 | 10.7 | | | | |
| 26 | 8.5 | 10.8 | | | | | 92 | 6.2 | 10.6 | | | | |
| 27 | 8.5 | 10.8 | 7.2 | 101 | 1.1 | 48 | 93 | 6.2 | 10.6 | | | | |
| 28 | 8.5 | 10.8 | | | | | 94 | 6.2 | 10.8 | | | | |
| 29 | 8.4 | 10.8 | | | | | 95 | 6.3 | 10.5 | 7.2 | 121 | 8.1 | 56 |
| 30 | 8.3 | 10.8 | 7.2 | 102 | 1.2 | - | 96 | 6.3 | 10.5 | | | | |
| 31 | 8.2 | 10.7 | | | | | 97 | 6.3 | 10.5 | | | | |
| 32 | 8.2 | 10.7 | | | | | 97.2 | - | - | - | Bottom | | |
| 33 | 8.2 | 10.7 | | | | | | | | | | | |
| 34 | 8.1 | 10.7 | | | | | | | | | | | |
| 35 | 8.1 | 10.7 | 7.2 | 102 | 1.2 | - | | | | | | | |
| 36 | 8.0 | 10.7 | | | | | | | | | | | |
| 37 | 8.0 | 10.7 | | | | | | | | | | | |
| 38 | 7.9 | 10.7 | | | | | | | | | | | |
| 39 | 7.8 | 10.7 | | | | | | | | | | | |
| 40 | 7.7 | 10.7 | 7.2 | 104 | 1.6 | 48 | | | | | | | |
| 41 | 7.6 | 10.8 | | | | | | | | | | | |
| 42 | 7.7 | 10.7 | | | | | | | | | | | |
| 43 | 7.4 | 10.8 | | | | | | | | | | | |
| 44 | 7.2 | 10.8 | | | | | | | | | | | |
| 45 | 7.2 | 10.8 | 7.2 | 108 | 2.5 | - | | | | | | | |
| 46 | 7.2 | 10.9 | | | | | | | | | | | |
| 47 | 7.2 | 10.9 | | | | | | | | | | | |
| 48 | 7.2 | 10.9 | | | | | | | | | | | |
| 49 | 7.2 | 10.9 | | | | | | | | | | | |
| 50 | 7.1 | 10.9 | 7.2 | 112 | 2.7 | - | | | | | | | |
| 51 | 7.1 | 11.0 | | | | | | | | | | | |
| 52 | 7.1 | 11.0 | | | | | | | | | | | |
| 53 | 7.1 | 11.1 | | | | | | | | | | | |
| 54 | 7.1 | 11.2 | | | | | | | | | | | |
| 55 | 7.1 | 11.2 | 7.2 | 121 | 3.3 | 60 | | | | | | | |
| 56 | 7.1 | 11.2 | | | | | | | | | | | |
| 57 | 7.0 | 11.2 | | | | | | | | | | | |
| 58 | 7.0 | 11.2 | | | | | | | | | | | |
| 59 | 7.0 | 11.2 | | | | | | | | | | | |
| 60 | 7.0 | 11.2 | 7.2 | 121 | 3.6 | - | | | | | | | |
| 61 | 7.0 | 11.2 | | | | | | | | | | | |
| 62 | 7.0 | 11.2 | | | | | | | | | | | |
| 63 | 7.0 | 11.3 | | | | | | | | | | | |
| 64 | 7.0 | 11.3 | | | | | | | | | | | |
| 65 | 7.0 | 11.3 | 7.2 | 122 | 3.5 | - | | | | | | | |

**SNASTA RESERVOIR
LIMNOLOGIC DATA**

Sta A2L 048.4 217.6 McCloud River Arm April 3, 1984 @ 0930 Hrs. Secchi 6.1m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| Surf. | 12.1 | 10.6 | 7.6 | 103 | 1.2 | 46 | 66 | 7.1 | 10.7 | | | | |
| 1 | 12.0 | 10.6 | | | | | 67 | 7.0 | 10.8 | | | | |
| 2 | 11.8 | 10.6 | | | | | 68 | 7.0 | 10.8 | | | | |
| 3 | 11.7 | 10.6 | 7.6 | 103 | 1.7 | - | 69 | 7.0 | 10.8 | | | | |
| 4 | 11.7 | 10.6 | | | | | 70 | 7.0 | 10.8 | 7.3 | 126 | 5.1 | - |
| 5 | 11.6 | 10.6 | | | | | 71 | 7.0 | 10.8 | | | | |
| 6 | 11.6 | 10.7 | 7.6 | 103 | 1.4 | - | 72 | 6.9 | 10.8 | | | | |
| 7 | 11.5 | 10.7 | | | | | 73 | 6.9 | 10.8 | | | | |
| 8 | 11.4 | 10.7 | | | | | 74 | 6.9 | 10.8 | | | | |
| 9 | 11.2 | 10.7 | 7.5 | 103 | 1.5 | 45 | 75 | 6.9 | 10.8 | 7.3 | 128 | 5.5 | - |
| 10 | 11.1 | 10.7 | | | | | 76 | 6.9 | 10.8 | | | | |
| 11 | 11.0 | 10.7 | | | | | 77 | 6.9 | 10.8 | | | | |
| 12 | 10.8 | 10.6 | 7.5 | 103 | 1.2 | - | 78 | 6.9 | 10.8 | | | | |
| 13 | 10.7 | 10.6 | | | | | 79 | 6.8 | 10.8 | | | | |
| 14 | 10.5 | 10.6 | | | | | 80 | 6.8 | 10.8 | 7.3 | 130 | 6.8 | 56 |
| 15 | 10.2 | 10.6 | 7.4 | 104 | 1.5 | - | 81 | 6.8 | 10.8 | | | | |
| 16 | 10.0 | 10.6 | | | | | 82 | 6.8 | 10.8 | | | | |
| 17 | 9.6 | 10.5 | | | | | 83 | 6.8 | 10.8 | | | | |
| 18 | 9.4 | 10.5 | 7.3 | 106 | 2.0 | 46 | 84 | 6.8 | 10.8 | | | | |
| 19 | 9.2 | 10.5 | | | | | 85 | 6.8 | 10.8 | 7.3 | 132 | 9.0 | - |
| 20 | 9.2 | 10.5 | | | | | 86 | 6.8 | 10.8 | | | | |
| 21 | 9.1 | 10.5 | 7.3 | 106 | 1.5 | - | 87 | 6.8 | 10.8 | | | | |
| 22 | 9.1 | 10.5 | | | | | 88 | 6.8 | 10.7 | | | | |
| 23 | 9.1 | 10.5 | | | | | 89 | 6.8 | 10.7 | | | | |
| 24 | 9.0 | 10.6 | 7.3 | 106 | 1.8 | - | 90 | 6.8 | 10.7 | 7.3 | 133 | 9.7 | 57 |
| 25 | 9.0 | 10.6 | | | | | 91 | 6.8 | 10.7 | | | | |
| 26 | 9.0 | 10.6 | | | | | 92 | 6.8 | 10.6 | | | | |
| 27 | 9.0 | 10.6 | 7.3 | 107 | 1.5 | 46 | 93 | 6.8 | 10.6 | | | | |
| 28 | 8.9 | 10.6 | | | | | 94 | 6.8 | 10.6 | | | | |
| 29 | 8.8 | 10.6 | | | | | 95 | 6.8 | 10.6 | 7.3 | 134 | 11 | - |
| 30 | 8.8 | 10.6 | 7.3 | 107 | 1.8 | - | 96 | 6.8 | 10.6 | | | | |
| 31 | 8.8 | 10.6 | | | | | 97 | 6.8 | 10.6 | | | | |
| 32 | 8.8 | 10.6 | | | | | 98 | 6.8 | 10.6 | | | | |
| 33 | 8.8 | 10.6 | | | | | 99 | 6.8 | 10.6 | | | | |
| 34 | 8.8 | 10.6 | | | | | 100 | 6.8 | 10.6 | | | | |
| 35 | 8.8 | 10.6 | 7.3 | 118 | 4.0 | 52 | 101 | 6.8 | 10.6 | 7.3 | 134 | 13 | 58 |
| 36 | 8.7 | 10.7 | | | | | 102 | 6.8 | 10.6 | | | | |
| 37 | 8.7 | 10.7 | | | | | 103 | 6.8 | 10.6 | | | | |
| 38 | 8.6 | 10.7 | | | | | 105 | - | - | Bottom | | | |
| 39 | 8.6 | 10.7 | | | | | | | | | | | |
| 40 | 8.6 | 10.7 | 7.3 | 120 | 4.7 | - | | | | | | | |
| 41 | 8.5 | 10.7 | | | | | | | | | | | |
| 42 | 8.5 | 10.7 | | | | | | | | | | | |
| 43 | 8.4 | 10.7 | | | | | | | | | | | |
| 44 | 8.4 | 10.7 | | | | | | | | | | | |
| 45 | 8.3 | 10.7 | 7.3 | 119 | 4.3 | 54 | | | | | | | |
| 46 | 8.2 | 10.6 | | | | | | | | | | | |
| 47 | 8.1 | 10.6 | | | | | | | | | | | |
| 48 | 8.1 | 10.6 | | | | | | | | | | | |
| 49 | 8.1 | 10.6 | | | | | | | | | | | |
| 50 | 8.0 | 10.6 | 7.3 | 114 | 1.8 | - | | | | | | | |
| 51 | 8.0 | 10.6 | | | | | | | | | | | |
| 52 | 7.9 | 10.6 | | | | | | | | | | | |
| 53 | 7.8 | 10.6 | | | | | | | | | | | |
| 54 | 7.8 | 10.6 | | | | | | | | | | | |
| 55 | 7.6 | 10.6 | 7.3 | 115 | 1.6 | 52 | | | | | | | |
| 56 | 7.5 | 10.7 | | | | | | | | | | | |
| 57 | 7.5 | 10.7 | | | | | | | | | | | |
| 58 | 7.4 | 10.7 | | | | | | | | | | | |
| 59 | 7.3 | 10.7 | | | | | | | | | | | |
| 60 | 7.2 | 10.7 | 7.3 | 118 | 2.5 | - | | | | | | | |
| 61 | 7.2 | 10.7 | | | | | | | | | | | |
| 62 | 7.2 | 10.7 | | | | | | | | | | | |
| 63 | 7.1 | 10.7 | | | | | | | | | | | |
| 64 | 7.1 | 10.7 | | | | | | | | | | | |
| 65 | 7.1 | 10.7 | 7.3 | 124 | 3.7 | 54 | | | | | | | |

**SHASTA RESERVOIR
LIMNOLOGIC DATA**

Sta. A2L 048.4 217.6 McCloud River Arm May 8, 1984 @ 0900 Hrs. Secchi 6.7m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| Surf. | 14.6 | 10.1 | 7.7 | 98 | 0.9 | 46 | 66 | 8.1 | 10.2 | | | | |
| 1 | 14.5 | 10.0 | | | | | 67 | 8.0 | 10.2 | | | | |
| 2 | 14.4 | 10.0 | | | | | 68 | 8.0 | 10.2 | | | | |
| 3 | 14.3 | 10.1 | 7.7 | 99 | 1.0 | - | 69 | 8.0 | 10.2 | | | | |
| 4 | 14.3 | 10.1 | | | | | 70 | 7.9 | 10.2 | 7.3 | 106 | 2.0 | 52 |
| 5 | 14.2 | 10.1 | | | | | 71 | 7.9 | 10.2 | | | | |
| 6 | 14.2 | 10.1 | 7.7 | 100 | 1.0 | - | 72 | 7.9 | 10.2 | | | | |
| 7 | 14.2 | 10.1 | | | | | 73 | 7.8 | 10.2 | | | | |
| 8 | 14.2 | 10.1 | | | | | 74 | 7.7 | 10.2 | | | | |
| 9 | 14.1 | 10.1 | 7.6 | 100 | 1.0 | 47 | 75 | 7.5 | 10.1 | 7.3 | 111 | 2.7 | - |
| 10 | 14.0 | 10.1 | | | | | 76 | 7.5 | 10.1 | | | | |
| 11 | 13.8 | 10.0 | | | | | 77 | 7.4 | 10.1 | | | | |
| 12 | 13.5 | 10.0 | 7.5 | 100 | 1.0 | - | 78 | 7.3 | 10.1 | | | | |
| 13 | 13.3 | 10.0 | | | | | 79 | 7.2 | 10.1 | | | | |
| 14 | 12.2 | 9.9 | | | | | 80 | 7.2 | 10.1 | 7.2 | 113 | 3.2 | 55 |
| 15 | 11.6 | 9.9 | 7.4 | 101 | 1.9 | - | 81 | 7.2 | 10.1 | | | | |
| 16 | 11.0 | 10.0 | | | | | 82 | 7.2 | 10.1 | | | | |
| 17 | 10.9 | 10.0 | | | | | 83 | 7.2 | 10.1 | | | | |
| 18 | 10.8 | 10.0 | 7.3 | 114 | 3.1 | 55 | 84 | 7.1 | 10.0 | | | | |
| 19 | 10.5 | 10.0 | | | | | 85 | 7.1 | 10.0 | 7.2 | 117 | 4.3 | - |
| 20 | 10.4 | 10.0 | | | | | 86 | 7.1 | 10.0 | | | | |
| 21 | 10.2 | 10.0 | 7.3 | 116 | 3.3 | - | 87 | 7.0 | 9.9 | | | | |
| 22 | 10.1 | 10.1 | | | | | 88 | 7.0 | 9.9 | | | | |
| 23 | 10.0 | 10.1 | | | | | 89 | 7.0 | 9.9 | 7.2 | 117 | 4.9 | 55 |
| 24 | 9.9 | 10.1 | 7.3 | 112 | 3.1 | - | 90 | 7.0 | 9.9 | | | | |
| 25 | 9.9 | 10.1 | | | | | 91 | - | - | Bottom | | | |
| 26 | 9.9 | 10.1 | | | | | | | | | | | |
| 27 | 9.8 | 10.1 | 7.3 | 113 | 3.3 | 56 | | | | | | | |
| 28 | 9.8 | 10.2 | | | | | | | | | | | |
| 29 | 9.8 | 10.2 | | | | | | | | | | | |
| 30 | 9.7 | 10.2 | 7.3 | 113 | 3.2 | - | | | | | | | |
| 31 | 9.7 | 10.2 | | | | | | | | | | | |
| 32 | 9.6 | 10.2 | | | | | | | | | | | |
| 33 | 9.4 | 10.2 | | | | | | | | | | | |
| 34 | 9.3 | 10.2 | | | | | | | | | | | |
| 35 | 9.2 | 10.2 | 7.3 | 103 | 1.9 | - | | | | | | | |
| 36 | 9.2 | 10.2 | | | | | | | | | | | |
| 37 | 9.1 | 10.2 | | | | | | | | | | | |
| 38 | 9.0 | 10.2 | | | | | | | | | | | |
| 39 | 9.0 | 10.2 | | | | | | | | | | | |
| 40 | 8.9 | 10.2 | 7.3 | 101 | 1.7 | 47 | | | | | | | |
| 41 | 8.9 | 10.2 | | | | | | | | | | | |
| 42 | 8.9 | 10.2 | | | | | | | | | | | |
| 43 | 8.8 | 10.2 | | | | | | | | | | | |
| 44 | 8.8 | 10.3 | | | | | | | | | | | |
| 45 | 8.8 | 10.3 | 7.3 | 103 | 2.2 | - | | | | | | | |
| 46 | 8.8 | 10.3 | | | | | | | | | | | |
| 47 | 8.8 | 10.3 | | | | | | | | | | | |
| 48 | 8.8 | 10.3 | | | | | | | | | | | |
| 49 | 8.8 | 10.3 | | | | | | | | | | | |
| 50 | 8.8 | 10.3 | 7.3 | 103 | 2.5 | - | | | | | | | |
| 51 | 8.7 | 10.3 | | | | | | | | | | | |
| 52 | 8.7 | 10.3 | | | | | | | | | | | |
| 53 | 8.7 | 10.3 | | | | | | | | | | | |
| 54 | 8.6 | 10.3 | | | | | | | | | | | |
| 55 | 8.6 | 10.3 | 7.3 | 105 | 2.4 | 49 | | | | | | | |
| 56 | 8.6 | 10.3 | | | | | | | | | | | |
| 57 | 8.5 | 10.3 | | | | | | | | | | | |
| 58 | 8.5 | 10.3 | | | | | | | | | | | |
| 59 | 8.4 | 10.3 | | | | | | | | | | | |
| 60 | 8.4 | 10.3 | 7.3 | 104 | 1.7 | - | | | | | | | |
| 61 | 8.3 | 10.3 | | | | | | | | | | | |
| 62 | 8.3 | 10.3 | | | | | | | | | | | |
| 63 | 8.2 | 10.3 | | | | | | | | | | | |
| 64 | 8.2 | 10.3 | | | | | | | | | | | |
| 65 | 8.2 | 10.2 | 7.3 | 104 | 1.9 | - | | | | | | | |

**SWASTA RESERVOIR
LIMNOLOGIC DATA**

Sta. A2L 048.4 217.6 McCloud River Arm June 7, 1984 @ 0830 Hrs. Secchi 6.2m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| Surf. | 18.8 | 8.9 | 7.5 | 102 | 0.9 | 48 | 66 | 8.6 | 9.1 | | | | |
| 1 | 18.6 | 8.9 | | | | | 67 | 8.6 | 9.1 | | | | |
| 2 | 18.5 | 8.9 | | | | | 68 | 8.5 | 9.1 | | | | |
| 3 | 18.5 | 8.9 | 7.6 | 102 | 1.2 | - | 69 | 8.4 | 9.1 | | | | |
| 4 | 18.5 | 8.9 | | | | | 70 | 8.3 | 9.1 | 7.2 | 106 | 2.0 | 47 |
| 5 | 18.5 | 8.9 | | | | | 71 | 8.3 | 9.1 | | | | |
| 6 | 18.4 | 8.9 | 7.5 | 103 | 1.2 | - | 72 | 8.3 | 9.1 | | | | |
| 7 | 18.4 | 8.9 | | | | | 73 | 8.3 | 9.0 | | | | |
| 8 | 18.4 | 8.9 | | | | | 74 | 8.2 | 9.0 | | | | |
| 9 | 18.4 | 8.9 | 7.5 | 103 | 1.0 | 48 | 75 | 8.2 | 9.0 | 7.2 | 110 | 2.0 | - |
| 10 | 18.3 | 8.9 | | | | | 76 | 8.1 | 8.9 | | | | |
| 11 | 18.2 | 9.0 | | | | | 77 | 8.1 | 8.9 | | | | |
| 12 | 17.9 | 9.0 | 7.5 | 103 | 1.1 | - | 78 | 8.0 | 8.8 | | | | |
| 13 | 16.8 | 9.1 | | | | | 79 | 8.0 | 8.7 | | | | |
| 14 | 16.0 | 9.2 | | | | | 80 | 7.9 | 8.7 | 7.2 | 113 | 2.3 | - |
| 15 | 15.3 | 9.2 | 7.4 | 108 | 1.4 | - | 81 | 7.8 | 8.8 | | | | |
| 16 | 14.9 | 9.2 | | | | | 82 | 7.8 | 8.8 | | | | |
| 17 | 14.1 | 9.2 | | | | | 83 | 7.7 | 8.7 | | | | |
| 18 | 13.7 | 9.2 | 7.3 | 107 | 1.3 | 50 | 84 | 7.6 | 8.6 | | | | |
| 19 | 13.3 | 9.2 | | | | | 85 | 7.5 | 8.5 | 7.2 | 116 | 4.2 | - |
| 20 | 13.1 | 9.2 | | | | | 86 | 7.5 | 8.5 | | | | |
| 21 | 12.8 | 9.2 | 7.3 | 111 | 1.6 | - | 87 | 7.4 | 8.4 | | | | |
| 22 | 12.4 | 9.2 | | | | | 88 | 7.3 | 8.4 | | | | |
| 23 | 12.0 | 9.3 | | | | | 89 | 7.3 | 8.4 | Bottom | | | |
| 24 | 11.8 | 9.3 | 7.3 | 113 | 2.0 | - | | | | | | | |
| 25 | 11.5 | 9.3 | | | | | | | | | | | |
| 26 | 11.3 | 9.3 | | | | | | | | | | | |
| 27 | 11.2 | 9.3 | 7.3 | 117 | 2.3 | 55 | | | | | | | |
| 28 | 11.1 | 9.3 | | | | | | | | | | | |
| 29 | 11.0 | 9.3 | | | | | | | | | | | |
| 30 | 10.9 | 9.3 | 7.3 | 116 | 2.5 | - | | | | | | | |
| 31 | 10.8 | 9.3 | | | | | | | | | | | |
| 32 | 10.7 | 9.3 | | | | | | | | | | | |
| 33 | 10.5 | 9.3 | | | | | | | | | | | |
| 34 | 10.3 | 9.3 | | | | | | | | | | | |
| 35 | 10.2 | 9.3 | 7.3 | 114 | 2.2 | - | | | | | | | |
| 36 | 10.1 | 9.3 | | | | | | | | | | | |
| 37 | 10.1 | 9.3 | | | | | | | | | | | |
| 38 | 10.0 | 9.3 | | | | | | | | | | | |
| 39 | 9.9 | 9.3 | | | | | | | | | | | |
| 40 | 9.8 | 9.3 | 7.3 | 111 | 2.3 | 51 | | | | | | | |
| 41 | 9.7 | 9.3 | | | | | | | | | | | |
| 42 | 9.6 | 9.3 | | | | | | | | | | | |
| 43 | 9.5 | 9.3 | | | | | | | | | | | |
| 44 | 9.4 | 9.3 | | | | | | | | | | | |
| 45 | 9.3 | 9.3 | 7.3 | 107 | 2.0 | - | | | | | | | |
| 46 | 9.2 | 9.3 | | | | | | | | | | | |
| 47 | 9.1 | 9.3 | | | | | | | | | | | |
| 48 | 9.1 | 9.3 | | | | | | | | | | | |
| 49 | 9.1 | 9.3 | | | | | | | | | | | |
| 50 | 9.1 | 9.3 | 7.3 | 107 | 2.2 | - | | | | | | | |
| 51 | 9.0 | 9.2 | | | | | | | | | | | |
| 52 | 9.0 | 9.2 | | | | | | | | | | | |
| 53 | 9.0 | 9.2 | | | | | | | | | | | |
| 54 | 8.9 | 9.2 | | | | | | | | | | | |
| 55 | 8.9 | 9.2 | 7.2 | 105 | 1.5 | 47 | | | | | | | |
| 56 | 8.9 | 9.2 | | | | | | | | | | | |
| 57 | 8.9 | 9.2 | | | | | | | | | | | |
| 58 | 8.8 | 9.2 | | | | | | | | | | | |
| 59 | 8.8 | 9.2 | | | | | | | | | | | |
| 60 | 8.8 | 9.2 | 7.2 | 104 | 1.5 | - | | | | | | | |
| 61 | 8.8 | 9.2 | | | | | | | | | | | |
| 62 | 8.7 | 9.2 | | | | | | | | | | | |
| 63 | 8.7 | 9.2 | | | | | | | | | | | |
| 64 | 8.7 | 9.2 | | | | | | | | | | | |
| 65 | 8.7 | 9.2 | 7.2 | 105 | 1.8 | - | | | | | | | |

**SHASTA RESERVOIR
LIMNOLOGIC DATA**

Sta. A2L 048.4 217.6 McCloud River Arm August 14, 1984 @ 0920 Hrs. Secchi 4.6m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| Surf. | 25.0 | 7.8 | 7.6 | 116 | 1.6 | 47 | 66 | 9.1 | 6.3 | | | | |
| 1 | 25.0 | 7.8 | | | | | 67 | 9.0 | 6.4 | | | | |
| 2 | 25.0 | 7.8 | | | | | 68 | 9.0 | 6.4 | | | | |
| 3 | 25.0 | 7.8 | 7.6 | 113 | 0.7 | - | 69 | 9.0 | 6.5 | | | | |
| 4 | 25.0 | 7.9 | | | | | 70 | 8.9 | 6.5 | 7.2 | 112 | 1.7 | - |
| 5 | 25.0 | 7.8 | | | | | 71 | 8.8 | 6.5 | | | | |
| 6 | 25.0 | 7.8 | 7.6 | 113 | 0.9 | - | 72 | 8.8 | 6.5 | | | | |
| 7 | 25.0 | 7.7 | | | | | 73 | 8.7 | 6.6 | | | | |
| 8 | 25.0 | 7.7 | | | | | 74 | 8.6 | 6.6 | | | | |
| 9 | 24.9 | 7.5 | 7.5 | 113 | 0.9 | 49 | 75 | 8.4 | 6.6 | 7.2 | 112 | 1.7 | 48 |
| 10 | 22.2 | 6.1 | | | | | 76 | 8.2 | 6.5 | | | | |
| 11 | 20.7 | 6.0 | | | | | 77 | 8.0 | 6.5 | | | | |
| 12 | 19.0 | 5.9 | 7.2 | 115 | 0.6 | - | 78 | 8.0 | 6.4 | | | | |
| 13 | 18.8 | 5.9 | | | | | 79 | 8.0 | 6.2 | | | | |
| 14 | 19.1 | 6.0 | | | | | 80 | 8.0 | 6.1 | 7.2 | 115 | 2.0 | - |
| 15 | 19.0 | 6.3 | 7.3 | 134 | 0.7 | 60 | 81 | 7.9 | 5.9 | | | | |
| 16 | 18.9 | 6.3 | | | | | 82 | 7.8 | 5.8 | | | | |
| 17 | 18.9 | 6.4 | | | | | 83 | 7.8 | 5.7 | | | | |
| 18 | 18.5 | 6.3 | 7.3 | 134 | 0.9 | - | 84 | 7.7 | 5.5 | | | | |
| 19 | 18.3 | 6.2 | | | | | 85 | 7.5 | 5.1 | 7.1 | 119 | 2.9 | 52 |
| 20 | 18.1 | 6.0 | | | | | 86 | 7.4 | 5.0 | | | | |
| 21 | 17.9 | 6.0 | 7.3 | 128 | 0.8 | - | 87 | 7.4 | 4.9 | | | | |
| 22 | 17.3 | 6.1 | | | | | 88 | 7.4 | 4.9 | | | | |
| 23 | 17.0 | 6.1 | | | | | 89 | 7.3 | 4.9 | | | | |
| 24 | 16.6 | 6.2 | 7.3 | 126 | 1.0 | 56 | 90 | 7.3 | 4.6 | Bottom | | | |
| 25 | 16.1 | 6.2 | | | | | | | | | | | |
| 26 | 15.8 | 6.3 | | | | | | | | | | | |
| 27 | 15.5 | 6.3 | 7.3 | 124 | 0.8 | - | | | | | | | |
| 28 | 15.1 | 6.4 | | | | | | | | | | | |
| 29 | 15.0 | 6.5 | | | | | | | | | | | |
| 30 | 14.8 | 6.5 | 7.3 | 122 | 1.6 | - | | | | | | | |
| 31 | 14.5 | 6.5 | | | | | | | | | | | |
| 32 | 14.3 | 6.6 | | | | | | | | | | | |
| 33 | 14.0 | 6.6 | | | | | | | | | | | |
| 34 | 13.9 | 6.7 | | | | | | | | | | | |
| 35 | 13.6 | 6.7 | 7.3 | 119 | 1.4 | 55 | | | | | | | |
| 36 | 13.2 | 6.7 | | | | | | | | | | | |
| 37 | 13.0 | 6.8 | | | | | | | | | | | |
| 38 | 12.8 | 6.9 | | | | | | | | | | | |
| 39 | 12.7 | 6.9 | | | | | | | | | | | |
| 40 | 12.4 | 6.9 | 7.3 | 118 | 2.0 | - | | | | | | | |
| 41 | 12.2 | 7.0 | | | | | | | | | | | |
| 42 | 12.0 | 7.0 | | | | | | | | | | | |
| 43 | 11.9 | 7.0 | | | | | | | | | | | |
| 44 | 11.6 | 7.0 | | | | | | | | | | | |
| 45 | 11.5 | 7.0 | 7.3 | 119 | 1.9 | - | | | | | | | |
| 46 | 11.3 | 7.0 | | | | | | | | | | | |
| 47 | 11.1 | 6.9 | | | | | | | | | | | |
| 48 | 11.1 | 6.9 | | | | | | | | | | | |
| 49 | 11.0 | 6.9 | | | | | | | | | | | |
| 50 | 10.9 | 6.9 | 7.2 | 118 | 2.0 | 51 | | | | | | | |
| 51 | 10.9 | 6.8 | | | | | | | | | | | |
| 52 | 10.8 | 6.7 | | | | | | | | | | | |
| 53 | 10.7 | 6.6 | | | | | | | | | | | |
| 54 | 10.6 | 6.4 | | | | | | | | | | | |
| 55 | 10.5 | 6.5 | 7.2 | 116 | 1.7 | - | | | | | | | |
| 56 | 10.3 | 6.5 | | | | | | | | | | | |
| 57 | 10.1 | 6.5 | | | | | | | | | | | |
| 58 | 10.0 | 6.4 | | | | | | | | | | | |
| 59 | 9.9 | 6.4 | | | | | | | | | | | |
| 60 | 9.8 | 6.4 | 7.2 | 115 | 1.6 | - | | | | | | | |
| 61 | 9.7 | 6.4 | | | | | | | | | | | |
| 62 | 9.7 | 6.3 | | | | | | | | | | | |
| 63 | 9.5 | 6.3 | | | | | | | | | | | |
| 64 | 9.3 | 6.4 | | | | | | | | | | | |
| 65 | 9.1 | 6.3 | 7.2 | 114 | 1.4 | 50 | | | | | | | |

**SHASTA RESERVOIR
LIMNOLOGIC DATA**

Sta. A2L 048.4 217.6 McCloud River Arm July 11, 1984 @ 1000 Hrs. Secchi 6.2m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|-----|--------|-------|------|
| Surf. | 26.0 | 7.9 | 7.6 | 106 | 1.1 | 50 | 70 | 9.7 | 9.5 | 7.2 | 105 | 1.5 | 44 |
| 1 | 25.9 | 7.9 | | | | | 75 | 10.0 | 9.5 | 7.2 | 106 | 1.7 | - |
| 2 | 25.8 | 7.9 | | | | | 80 | 9.4 | 9.5 | 7.2 | 108 | 1.9 | 50 |
| 3 | 25.8 | 7.9 | 7.6 | 106 | 1.4 | - | 85 | 9.2 | 9.4 | 7.2 | 112 | 2.5 | - |
| 4 | 25.7 | 7.9 | | | | | 90 | 8.9 | 8.9 | 7.1 | 117 | 3.1 | 56 |
| 5 | 25.5 | 7.9 | | | | | 93 | - | - | - | Bottom | | |
| 6 | 25.4 | 7.9 | 7.6 | 105 | 1.3 | - | | | | | | | |
| 7 | 24.9 | 8.0 | | | | | | | | | | | |
| 8 | 22.7 | 8.1 | | | | | | | | | | | |
| 9 | 21.1 | 8.2 | 7.4 | 107 | 0.7 | 49 | | | | | | | |
| 10 | 20.2 | 8.1 | | | | | | | | | | | |
| 11 | 19.3 | 8.1 | | | | | | | | | | | |
| 12 | 18.8 | 8.0 | 7.3 | 115 | 1.0 | - | | | | | | | |
| 13 | 18.4 | 8.1 | | | | | | | | | | | |
| 14 | 17.9 | 8.0 | | | | | | | | | | | |
| 15 | 17.5 | 8.0 | 7.3 | 124 | 1.2 | - | | | | | | | |
| 16 | 17.3 | 7.9 | | | | | | | | | | | |
| 17 | 16.9 | 7.9 | | | | | | | | | | | |
| 18 | 16.3 | 8.0 | 7.3 | 122 | 1.1 | 59 | | | | | | | |
| 19 | 16.1 | 8.0 | | | | | | | | | | | |
| 20 | 15.8 | 8.1 | | | | | | | | | | | |
| 21 | 15.4 | 8.2 | 7.3 | 119 | 1.7 | - | | | | | | | |
| 22 | 15.1 | 8.2 | | | | | | | | | | | |
| 23 | 14.8 | 8.3 | | | | | | | | | | | |
| 24 | 14.3 | 8.4 | 7.3 | 115 | 1.1 | - | | | | | | | |
| 25 | 13.9 | 8.5 | | | | | | | | | | | |
| 26 | 13.6 | 8.6 | | | | | | | | | | | |
| 27 | 13.2 | 8.7 | 7.3 | 112 | 1.0 | 54 | | | | | | | |
| 28 | 13.0 | 8.8 | | | | | | | | | | | |
| 29 | 12.5 | 8.9 | | | | | | | | | | | |
| 30 | 12.2 | 8.9 | 7.3 | 113 | 1.4 | - | | | | | | | |
| 31 | 12.1 | 9.0 | | | | | | | | | | | |
| 32 | 11.9 | 9.0 | | | | | | | | | | | |
| 33 | 11.8 | 9.0 | | | | | | | | | | | |
| 34 | 11.5 | 9.1 | | | | | | | | | | | |
| 35 | 11.3 | 9.1 | 7.3 | 115 | 2.2 | - | | | | | | | |
| 36 | 11.2 | 9.1 | | | | | | | | | | | |
| 37 | 11.1 | 9.1 | | | | | | | | | | | |
| 38 | 11.1 | 9.1 | | | | | | | | | | | |
| 39 | 11.0 | 9.1 | | | | | | | | | | | |
| 40 | 10.9 | 9.2 | 7.3 | 116 | 2.0 | 56 | | | | | | | |
| 41 | 10.8 | 9.2 | | | | | | | | | | | |
| 42 | 10.7 | 9.2 | | | | | | | | | | | |
| 43 | 10.5 | 9.2 | | | | | | | | | | | |
| 44 | 10.3 | 9.2 | | | | | | | | | | | |
| 45 | 10.2 | 9.2 | 7.3 | 112 | 2.0 | - | | | | | | | |
| 46 | 10.2 | 9.2 | | | | | | | | | | | |
| 47 | 10.1 | 9.2 | | | | | | | | | | | |
| 48 | 10.0 | 9.2 | | | | | | | | | | | |
| 49 | 9.9 | 9.2 | | | | | | | | | | | |
| 50 | 9.9 | 9.2 | 7.3 | 110 | 1.8 | - | | | | | | | |
| 55 | 10.6 | 9.3 | 7.3 | 107 | 1.5 | 50 | | | | | | | |
| 60 | 10.6 | 9.4 | 7.3 | 106 | 1.1 | - | | | | | | | |
| 65 | 10.0 | 9.4 | 7.2 | 105 | 1.4 | - | | | | | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 048.4 217.6 McCloud River Arm September 13, 1984 @ 1015 Hrs. Secchi -

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| surf. | 22.8 | 8.0 | 7.5 | 116 | 0.9 | 49 | 66 | 9.8 | 5.6 | | | | |
| 1 | 22.8 | 7.9 | | | | | 67 | 9.6 | 5.6 | | | | |
| 2 | 22.8 | 7.9 | | | | | 68 | 9.4 | 5.7 | | | | |
| 3 | 22.8 | 7.8 | 7.6 | 116 | 1.0 | - | 69 | 9.3 | 5.8 | | | | |
| 4 | 22.7 | 7.8 | | | | | 70 | 9.2 | 5.8 | 7.1 | 117 | 1.5 | 50 |
| 5 | 22.7 | 7.8 | | | | | 71 | 9.1 | 5.8 | | | | |
| 6 | 22.7 | 7.8 | 7.6 | 116 | 0.9 | - | 72 | 9.0 | 5.9 | | | | |
| 7 | 22.7 | 7.8 | | | | | 73 | 8.9 | 5.9 | | | | |
| 8 | 22.7 | 7.8 | | | | | 74 | 8.7 | 6.0 | | | | |
| 9 | 22.6 | 7.8 | 7.6 | 116 | 0.8 | 52 | 75 | 8.6 | 6.0 | 7.1 | 116 | 1.8 | - |
| 10 | 22.5 | 7.7 | | | | | 76 | 8.5 | 6.0 | | | | |
| 11 | 22.1 | 7.3 | | | | | 77 | 8.5 | 6.0 | | | | |
| 12 | 20.3 | 5.0 | 7.1 | 120 | 0.6 | - | 78 | 8.3 | 6.0 | | | | |
| 13 | 19.8 | 5.1 | | | | | 79 | 8.2 | 5.8 | | | | |
| 14 | 19.3 | 4.9 | | | | | 80 | 8.1 | 5.7 | 7.0 | 117 | 2.4 | 52 |
| 15 | 19.0 | 5.0 | 7.2 | 125 | 0.7 | - | 81 | 8.0 | 5.5 | | | | |
| 16 | 18.6 | 5.1 | | | | | 82 | 7.9 | 5.3 | | | | |
| 17 | 18.3 | 5.5 | | | | | 83 | 7.8 | 5.1 | | | | |
| 18 | 18.2 | 5.7 | 7.2 | 133 | 0.9 | 61 | 84 | 7.7 | 4.9 | | | | |
| 19 | 18.0 | 6.1 | | | | | 85 | 7.6 | 4.7 | 7.0 | 124 | 4.0 | - |
| 20 | 17.9 | 6.4 | | | | | 86 | 7.5 | 4.5 | | | | |
| 21 | 17.8 | 6.4 | 7.3 | 135 | 0.7 | - | 87 | 7.4 | 4.2 | | | | |
| 22 | 17.7 | 6.5 | | | | | 88 | 7.3 | 4.0 | | | | |
| 23 | 17.6 | 6.5 | | | | | 89 | 7.2 | 4.0 | | | | |
| 24 | 17.5 | 6.7 | 7.3 | 135 | 0.8 | - | 90 | 7.2 | 4.0 | 7.0 | 131 | 5.6 | 59 |
| 25 | 17.3 | 6.7 | | | | | 91 | 7.2 | 4.0 | | | | |
| 26 | 17.2 | 6.7 | | | | | 91.5 | - | - | Bottom | | | |
| 27 | 17.0 | 6.6 | 7.3 | 135 | 0.9 | 62 | | | | | | | |
| 28 | 16.9 | 6.4 | | | | | | | | | | | |
| 29 | 16.8 | 6.1 | | | | | | | | | | | |
| 30 | 16.3 | 6.0 | 7.3 | 129 | 1.1 | - | | | | | | | |
| 31 | 15.9 | 6.1 | | | | | | | | | | | |
| 32 | 15.6 | 6.2 | | | | | | | | | | | |
| 33 | 15.4 | 6.3 | | | | | | | | | | | |
| 34 | 15.1 | 6.3 | | | | | | | | | | | |
| 35 | 15.0 | 6.4 | 7.2 | 124 | 1.3 | - | | | | | | | |
| 36 | 14.7 | 6.5 | | | | | | | | | | | |
| 37 | 14.5 | 6.5 | | | | | | | | | | | |
| 38 | 14.3 | 6.6 | | | | | | | | | | | |
| 39 | 14.1 | 6.6 | | | | | | | | | | | |
| 40 | 13.9 | 6.6 | 7.2 | 122 | 1.2 | 56 | | | | | | | |
| 41 | 13.7 | 6.7 | | | | | | | | | | | |
| 42 | 13.5 | 6.7 | | | | | | | | | | | |
| 43 | 13.3 | 6.8 | | | | | | | | | | | |
| 44 | 13.1 | 6.8 | | | | | | | | | | | |
| 45 | 13.0 | 6.9 | 7.2 | 121 | 1.5 | - | | | | | | | |
| 46 | 12.8 | 6.9 | | | | | | | | | | | |
| 47 | 12.6 | 6.8 | | | | | | | | | | | |
| 48 | 12.4 | 6.9 | | | | | | | | | | | |
| 49 | 12.1 | 6.9 | | | | | | | | | | | |
| 50 | 12.0 | 6.9 | 7.2 | 119 | 1.5 | - | | | | | | | |
| 51 | 11.9 | 6.8 | | | | | | | | | | | |
| 52 | 11.8 | 6.5 | | | | | | | | | | | |
| 53 | 11.6 | 6.6 | | | | | | | | | | | |
| 54 | 11.4 | 6.6 | | | | | | | | | | | |
| 55 | 11.3 | 6.5 | 7.1 | 119 | 1.4 | 53 | | | | | | | |
| 56 | 11.1 | 6.4 | | | | | | | | | | | |
| 57 | 11.0 | 6.2 | | | | | | | | | | | |
| 58 | 10.8 | 6.0 | | | | | | | | | | | |
| 59 | 10.7 | 6.0 | | | | | | | | | | | |
| 60 | 10.5 | 5.8 | 7.1 | 119 | 1.3 | - | | | | | | | |
| 61 | 10.3 | 5.6 | | | | | | | | | | | |
| 62 | 10.2 | 5.5 | | | | | | | | | | | |
| 63 | 10.1 | 5.5 | | | | | | | | | | | |
| 64 | 10.0 | 5.8 | | | | | | | | | | | |
| 65 | 9.9 | 5.8 | 7.1 | 117 | 1.4 | - | | | | | | | |

**SHASTA RESERVOIR
LIMNOLOGIC DATA**

Sta. A2L 048.4 217.6 McCloud River Arm October 17, 1984 @ 0830 Hrs. Secchi 6.4m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| Surf. | 16.9 | 8.1 | 7.4 | 125 | 1.2 | 55 | 66 | 10.0 | 5.0 | | | | |
| 1 | 16.8 | 8.0 | | | | | 67 | 9.9 | 5.0 | | | | |
| 2 | 16.8 | 8.0 | | | | | 68 | 9.6 | 5.0 | | | | |
| 3 | 16.7 | 8.0 | 7.3 | 124 | 1.0 | - | 69 | 9.2 | 5.0 | | | | |
| 4 | 16.7 | 8.0 | | | | | 70 | 8.9 | 5.1 | 7.0 | 120 | 1.6 | 52 |
| 5 | 16.8 | 8.0 | | | | | 71 | 8.6 | 5.2 | | | | |
| 6 | 16.8 | 8.0 | 7.3 | 124 | 1.3 | - | 72 | 8.3 | 5.4 | | | | |
| 7 | 16.8 | 7.9 | | | | | 73 | 8.1 | 5.5 | | | | |
| 8 | 16.8 | 7.9 | | | | | 74 | 7.8 | 5.6 | | | | |
| 9 | 16.8 | 7.9 | 7.3 | 124 | 1.0 | 55 | 75 | 7.6 | 5.6 | 7.0 | 117 | 2.5 | - |
| 10 | 16.8 | 7.9 | | | | | 76 | 7.5 | 5.5 | | | | |
| 11 | 16.8 | 7.9 | | | | | 77 | 7.4 | 5.4 | | | | |
| 12 | 16.8 | 7.9 | 7.3 | 124 | 0.8 | - | 78 | 7.2 | 5.2 | | | | |
| 13 | 16.8 | 7.9 | | | | | 79 | 7.1 | 5.1 | | | | |
| 14 | 16.8 | 7.9 | | | | | 80 | 6.9 | 4.9 | 7.0 | 122 | 3.7 | - |
| 15 | 16.8 | 7.9 | 7.3 | 124 | 1.8 | - | 81 | 6.2 | 4.6 | | | | |
| 16 | 16.8 | 7.9 | | | | | 82 | 6.3 | 4.6 | | | | |
| 17 | 16.8 | 7.9 | | | | | 83 | 6.7 | 4.2 | | | | |
| 18 | 16.8 | 7.9 | 7.3 | 124 | 0.8 | 55 | 84 | 6.2 | 4.2 | | | | |
| 19 | 16.8 | 7.9 | | | | | 85 | 6.1 | 4.0 | 7.0 | 132 | 6.0 | 58 |
| 20 | 16.8 | 7.9 | | | | | 86 | 6.1 | 4.0 | | | | |
| 21 | 16.8 | 7.8 | 7.3 | 124 | 1.0 | - | 87 | 6.0 | 3.8 | | | | |
| 22 | 16.8 | 7.8 | | | | | 88 | 6.0 | 3.8 | | | | |
| 23 | 16.8 | 7.8 | | | | | 89 | 6.0 | 3.8 | | | | |
| 24 | 16.8 | 7.8 | 7.3 | 124 | 1.3 | - | 90 | 6.0 | 3.7 | | | | |
| 25 | 16.8 | 7.8 | | | | | 91 | 6.0 | 3.7 | 7.0 | 136 | 6.8 | 60 |
| 26 | 16.8 | 7.8 | | | | | 92 | 5.9 | 3.7 | | | | |
| 27 | 16.3 | 6.9 | 7.3 | 125 | 2.0 | 56 | 93 | - | - | Bottom | | | |
| 28 | 15.9 | 6.3 | | | | | | | | | | | |
| 29 | 15.8 | 6.2 | | | | | | | | | | | |
| 30 | 15.8 | 6.1 | 7.2 | 129 | 1.0 | - | | | | | | | |
| 31 | 15.6 | 6.2 | | | | | | | | | | | |
| 32 | 15.4 | 6.3 | | | | | | | | | | | |
| 33 | 15.2 | 6.4 | | | | | | | | | | | |
| 34 | 15.0 | 6.3 | | | | | | | | | | | |
| 35 | 14.9 | 6.2 | 7.2 | 119 | 1.4 | - | | | | | | | |
| 36 | 14.9 | 6.1 | | | | | | | | | | | |
| 37 | 14.7 | 5.9 | | | | | | | | | | | |
| 38 | 14.5 | 5.9 | | | | | | | | | | | |
| 39 | 14.3 | 6.6 | | | | | | | | | | | |
| 40 | 14.2 | 6.8 | 7.2 | 132 | 1.0 | 59 | | | | | | | |
| 41 | 14.1 | 6.9 | | | | | | | | | | | |
| 42 | 14.0 | 7.3 | | | | | | | | | | | |
| 43 | 13.9 | 7.1 | | | | | | | | | | | |
| 44 | 13.8 | 7.3 | | | | | | | | | | | |
| 45 | 13.7 | 7.3 | 7.2 | 136 | 1.2 | - | | | | | | | |
| 46 | 13.6 | 7.5 | | | | | | | | | | | |
| 47 | 13.6 | 7.4 | | | | | | | | | | | |
| 48 | 13.5 | 7.3 | | | | | | | | | | | |
| 49 | 13.5 | 7.1 | | | | | | | | | | | |
| 50 | 13.4 | 6.9 | 7.1 | 135 | 1.5 | - | | | | | | | |
| 51 | 13.2 | 6.7 | | | | | | | | | | | |
| 52 | 13.1 | 6.7 | | | | | | | | | | | |
| 53 | 12.9 | 6.3 | | | | | | | | | | | |
| 54 | 12.7 | 5.8 | | | | | | | | | | | |
| 55 | 12.4 | 5.8 | 7.0 | 121 | 1.3 | 52 | | | | | | | |
| 56 | 12.1 | 4.9 | | | | | | | | | | | |
| 57 | 11.9 | 5.7 | | | | | | | | | | | |
| 58 | 11.7 | 5.4 | | | | | | | | | | | |
| 59 | 11.4 | 5.4 | | | | | | | | | | | |
| 60 | 11.2 | 5.4 | 7.0 | 120 | 1.2 | - | | | | | | | |
| 61 | 11.0 | 5.3 | | | | | | | | | | | |
| 62 | 10.8 | 5.3 | | | | | | | | | | | |
| 63 | 10.5 | 5.4 | | | | | | | | | | | |
| 64 | 10.4 | 5.5 | | | | | | | | | | | |
| 65 | 10.2 | 5.3 | 7.0 | 120 | 1.5 | - | | | | | | | |

**SHASTA RESERVOIR
LIMNOLOGIC DATA**

Sta. A2L 048.5 222.8 Sacramento River Arm May 16, 1983 @ 1330 Hrs. Secchi 2.6m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|-----|------|-------|------|
| Surf. | 13.8 | 10.3 | 7.4 | 69 | 2.2 | 31 | 66 | 6.9 | 10.1 | | | | |
| 1 | 13.5 | 10.3 | | | | | 67 | 6.9 | 10.1 | | | | |
| 2 | 13.1 | 10.3 | | | | | 68 | 6.9 | 10.1 | | | | |
| 3 | 13.0 | 10.3 | 7.4 | 70 | 1.8 | - | 69 | 6.9 | 10.1 | | | | |
| 4 | 12.2 | 10.3 | | | | | 70 | 6.9 | 10.1 | 7.2 | 69 | 2.9 | 32 |
| 5 | 11.9 | 10.2 | | | | | 71 | 6.9 | 10.1 | | | | |
| 6 | 11.2 | 10.1 | 7.4 | 72 | 2.4 | 32 | 72 | 6.9 | 10.1 | | | | |
| 7 | 11.0 | 10.0 | | | | | 73 | 6.9 | 10.1 | | | | |
| 8 | 10.5 | 9.9 | | | | | 74 | 6.8 | 10.1 | | | | |
| 9 | 10.3 | 9.8 | 7.4 | 76 | 3.4 | - | 75 | 6.8 | 10.1 | 7.2 | 69 | 2.9 | - |
| 10 | 10.3 | 9.8 | | | | | 76 | 6.8 | 10.1 | | | | |
| 11 | 10.1 | 9.7 | | | | | 77 | 6.8 | 10.1 | | | | |
| 12 | 9.8 | 9.7 | 7.3 | 79 | 2.6 | 36 | 78 | 6.8 | 10.1 | | | | |
| 13 | 9.7 | 9.7 | | | | | 79 | 6.8 | 10.1 | | | | |
| 14 | 9.6 | 9.7 | | | | | 80 | 6.8 | 10.1 | 7.2 | 73 | 5.2 | 35 |
| 15 | 9.5 | 9.7 | 7.2 | 83 | 3.2 | - | 81 | 6.8 | 10.1 | | | | |
| 16 | 9.3 | 9.7 | | | | | 82 | 6.8 | 10.1 | | | | |
| 17 | 9.0 | 9.7 | | | | | 83 | 6.8 | 10.1 | | | | |
| 18 | 9.0 | 9.6 | 7.2 | 83 | 3.1 | 39 | 84 | 6.8 | 10.1 | | | | |
| 19 | 8.9 | 9.7 | | | | | 85 | 6.8 | 10.1 | 7.2 | 78 | 6.0 | - |
| 20 | 8.7 | 9.7 | | | | | 86 | 6.8 | 10.1 | | | | |
| 21 | 8.7 | 9.7 | 7.2 | 82 | 2.8 | - | 87 | 6.8 | 10.1 | | | | |
| 22 | 8.6 | 9.8 | | | | | 88 | 6.8 | 10.1 | | | | |
| 23 | 8.5 | 9.8 | | | | | 89 | 6.8 | 10.1 | | | | |
| 24 | 8.3 | 9.8 | 7.2 | 80 | 2.9 | 36 | 90 | 6.8 | 10.1 | 7.2 | 82 | 9.6 | 39 |
| 25 | 8.2 | 9.8 | | | | | 91 | 6.8 | 10.1 | | | | |
| 26 | 8.1 | 9.8 | | | | | 92 | 6.8 | 10.0 | | | | |
| 27 | 8.1 | 9.8 | 7.2 | 81 | 2.9 | - | 93 | 6.8 | 10.0 | | | | |
| 28 | 8.0 | 9.8 | | | | | 94 | 6.8 | 10.0 | | | | |
| 29 | 7.9 | 9.9 | | | | | 95 | 6.8 | 10.0 | 7.2 | 87 | 8.5 | - |
| 30 | 7.9 | 9.9 | 7.2 | 73 | 2.1 | 34 | 96 | 6.8 | 9.9 | | | | |
| 31 | 7.9 | 10.0 | | | | | 97 | 6.8 | 9.9 | | | | |
| 32 | 7.8 | 10.0 | | | | | 98 | 6.8 | 9.8 | | | | |
| 33 | 7.8 | 10.0 | | | | | 99 | 6.8 | 9.8 | | | | |
| 34 | 7.8 | 10.0 | | | | | 100 | - | - | 7.2 | 85 | 8.2 | 41 |
| 35 | 7.8 | 10.0 | 7.2 | 74 | 2.1 | - | | | | | | | |
| 36 | 7.8 | 10.0 | | | | | | | | | | | |
| 37 | 7.8 | 10.0 | | | | | | | | | | | |
| 38 | 7.8 | 10.0 | | | | | | | | | | | |
| 39 | 7.7 | 10.0 | | | | | | | | | | | |
| 40 | 7.5 | 10.0 | 7.2 | 70 | 2.4 | 34 | | | | | | | |
| 41 | 7.3 | 10.0 | | | | | | | | | | | |
| 42 | 7.2 | 10.0 | | | | | | | | | | | |
| 43 | 7.2 | 10.0 | | | | | | | | | | | |
| 44 | 7.2 | 10.0 | | | | | | | | | | | |
| 45 | 7.2 | 10.0 | 7.2 | 70 | 1.6 | - | | | | | | | |
| 46 | 7.2 | 10.0 | | | | | | | | | | | |
| 47 | 7.1 | 10.0 | | | | | | | | | | | |
| 48 | 7.1 | 10.0 | | | | | | | | | | | |
| 49 | 7.1 | 10.0 | | | | | | | | | | | |
| 50 | 7.1 | 10.0 | 7.2 | 69 | 2.2 | 31 | | | | | | | |
| 51 | 7.1 | 10.0 | | | | | | | | | | | |
| 52 | 7.1 | 10.0 | | | | | | | | | | | |
| 53 | 7.0 | 10.1 | | | | | | | | | | | |
| 54 | 7.0 | 10.1 | | | | | | | | | | | |
| 55 | 7.0 | 10.1 | 7.2 | 68 | 2.2 | - | | | | | | | |
| 56 | 7.0 | 10.1 | | | | | | | | | | | |
| 57 | 7.0 | 10.1 | | | | | | | | | | | |
| 58 | 7.0 | 10.1 | | | | | | | | | | | |
| 59 | 7.0 | 10.1 | | | | | | | | | | | |
| 60 | 7.0 | 10.1 | 7.2 | 68 | 2.4 | 32 | | | | | | | |
| 61 | 7.0 | 10.1 | | | | | | | | | | | |
| 62 | 7.0 | 10.1 | | | | | | | | | | | |
| 63 | 7.0 | 10.1 | | | | | | | | | | | |
| 64 | 7.0 | 10.1 | | | | | | | | | | | |
| 65 | 6.9 | 10.1 | 7.2 | 68 | 1.8 | - | | | | | | | |

**SHASTA RESERVOIR
LIMNOLOGIC DATA**

Sta. A2L 048.5 222.8 Sacramento River Arm June 21, 1983 @ 030 Hrs. Secchi 4.8m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| Surf. | 20.9 | 8.9 | 8.3 | 81 | 1.9 | 36 | 66 | 8.4 | 9.4 | | | | |
| 1 | 20.8 | 8.8 | | | | | 67 | 8.4 | 9.4 | | | | |
| 2 | 20.8 | 8.6 | | | | | 68 | 8.4 | 9.4 | | | | |
| 3 | 20.7 | 8.6 | 7.8 | 82 | 1.9 | - | 69 | 8.4 | 9.4 | | | | |
| 4 | 20.5 | 8.6 | | | | | 70 | 8.3 | 9.4 | 7.2 | 68 | 2.1 | 31 |
| 5 | 20.6 | 8.5 | | | | | 71 | 8.3 | 9.4 | | | | |
| 6 | 20.6 | 8.5 | 7.6 | 82 | 1.7 | 39 | 72 | 8.3 | 9.4 | | | | |
| 7 | 18.8 | 8.5 | | | | | 73 | 8.3 | 9.4 | | | | |
| 8 | 17.4 | 8.6 | | | | | 74 | 8.2 | 9.4 | | | | |
| 9 | 16.5 | 8.6 | 7.4 | 98 | 2.1 | - | 75 | 8.2 | 9.4 | 7.2 | 69 | 3.3 | - |
| 10 | 15.8 | 8.5 | | | | | 76 | 8.2 | 9.4 | | | | |
| 11 | 15.3 | 8.5 | | | | | 77 | 8.1 | 9.3 | | | | |
| 12 | 14.9 | 8.6 | 7.3 | 100 | 2.1 | 48 | 78 | 8.1 | 9.3 | | | | |
| 13 | 14.6 | 8.6 | | | | | 79 | 8.1 | 9.3 | | | | |
| 14 | 14.2 | 8.7 | | | | | 80 | 8.0 | 9.3 | 7.2 | 68 | 2.3 | 33 |
| 15 | 13.7 | 8.7 | 7.3 | 81 | 2.2 | - | 81 | 8.0 | 9.3 | | | | |
| 16 | 13.4 | 8.9 | | | | | 82 | 8.0 | 9.3 | | | | |
| 17 | 13.0 | 9.1 | | | | | 83 | 7.9 | 9.3 | | | | |
| 18 | 12.8 | 9.2 | 7.3 | 69 | 2.2 | 33 | 84 | 7.9 | 9.3 | | | | |
| 19 | 12.4 | 9.3 | | | | | 85 | 7.9 | 9.3 | 7.2 | 69 | 2.3 | - |
| 20 | 12.0 | 9.2 | | | | | 86 | 7.9 | 9.2 | | | | |
| 21 | 11.8 | 9.2 | 7.3 | 66 | 2.4 | - | 87 | 7.9 | 9.2 | | | | |
| 22 | 11.8 | 9.3 | | | | | 88 | 7.9 | 9.2 | | | | |
| 23 | 11.6 | 9.3 | | | | | 89 | 7.9 | 9.2 | | | | |
| 24 | 11.3 | 9.3 | 7.3 | 63 | 2.9 | 31 | 90 | 7.8 | 9.1 | 7.2 | 70 | 3.0 | 33 |
| 25 | 11.2 | 9.3 | | | | | 91 | 7.8 | 9.1 | | | | |
| 26 | 11.1 | 9.2 | | | | | 92 | 7.8 | 9.1 | | | | |
| 27 | 10.9 | 9.2 | 7.3 | 65 | 2.8 | - | 93 | 7.8 | 9.1 | | | | |
| 28 | 10.9 | 9.2 | | | | | 94 | 7.8 | 9.1 | | | | |
| 29 | 10.8 | 9.2 | | | | | 95 | 7.8 | 9.0 | 7.2 | 69 | 2.4 | - |
| 30 | 10.6 | 9.2 | 7.3 | 65 | 3.2 | 32 | 96 | 7.8 | 9.0 | | | | |
| 31 | 10.5 | 9.2 | | | | | 97 | 7.8 | 8.9 | | | | |
| 32 | 10.3 | 9.3 | | | | | 98 | 7.8 | 8.8 | | | | |
| 33 | 10.2 | 9.4 | | | | | 99 | 7.8 | 8.6 | | | | |
| 34 | 10.1 | 9.3 | | | | | 100 | - | - | 7.2 | 72 | 3.9 | 35 |
| 35 | 10.1 | 9.3 | 7.2 | 68 | 2.6 | - | 105 | - | - | 7.2 | 69 | 5.4 | 36 |
| 36 | 10.0 | 9.3 | | | | | 106.4 | - | - | Bottom | | | |
| 37 | 10.0 | 9.3 | | | | | | | | | | | |
| 38 | 9.9 | 9.2 | | | | | | | | | | | |
| 39 | 9.9 | 9.2 | | | | | | | | | | | |
| 40 | 9.8 | 9.2 | 7.2 | 71 | 2.1 | 34 | | | | | | | |
| 41 | 9.8 | 9.2 | | | | | | | | | | | |
| 42 | 9.6 | 9.2 | | | | | | | | | | | |
| 43 | 9.4 | 9.2 | | | | | | | | | | | |
| 44 | 9.3 | 9.2 | | | | | | | | | | | |
| 45 | 9.2 | 9.2 | 7.2 | 73 | 1.8 | - | | | | | | | |
| 46 | 9.1 | 9.2 | | | | | | | | | | | |
| 47 | 9.1 | 9.3 | | | | | | | | | | | |
| 48 | 9.1 | 9.4 | | | | | | | | | | | |
| 49 | 9.0 | 9.4 | | | | | | | | | | | |
| 50 | 9.0 | 9.4 | 7.2 | 74 | 2.1 | 35 | | | | | | | |
| 51 | 8.9 | 9.4 | | | | | | | | | | | |
| 52 | 8.8 | 9.4 | | | | | | | | | | | |
| 53 | 8.8 | 9.4 | | | | | | | | | | | |
| 54 | 8.8 | 9.3 | | | | | | | | | | | |
| 55 | 8.7 | 9.4 | 7.2 | 72 | 2.2 | - | | | | | | | |
| 56 | 8.7 | 9.4 | | | | | | | | | | | |
| 57 | 8.8 | 9.4 | | | | | | | | | | | |
| 58 | 8.8 | 9.4 | | | | | | | | | | | |
| 59 | 8.7 | 9.4 | | | | | | | | | | | |
| 60 | 8.7 | 9.4 | 7.2 | 69 | 2.0 | 31 | | | | | | | |
| 61 | 8.6 | 9.4 | | | | | | | | | | | |
| 62 | 8.6 | 9.4 | | | | | | | | | | | |
| 63 | 8.6 | 9.4 | | | | | | | | | | | |
| 64 | 8.5 | 9.4 | | | | | | | | | | | |
| 65 | 8.5 | 9.4 | 7.2 | 69 | 1.8 | - | | | | | | | |

**SHASTA RESERVOIR
LIMNOLOGIC DATA**

Sta. A2L 048.5 222.8 Sacramento River Arm July 27, 1983 @ 0840 Hrs. Secchi 3.0m

| epth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|---------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| urf. | 23.3 | 8.0 | 8.0 | 93 | 1.5 | 41 | 66 | 9.0 | 8.6 | | | | |
| 1 | 23.2 | 8.0 | | | | | 67 | 9.0 | 8.6 | | | | |
| 2 | 23.1 | 7.9 | | | | | 68 | 9.0 | 8.5 | | | | |
| 3 | 23.1 | 7.9 | 7.9 | 93 | 1.6 | 40 | 69 | 9.0 | 8.5 | | | | |
| 4 | 23.1 | 7.9 | | | | | 70 | 8.9 | 8.5 | 7.1 | 70 | 2.0 | 33 |
| 5 | 23.0 | 7.8 | | | | | 71 | 8.9 | 8.5 | | | | |
| 6 | 22.2 | 7.7 | 7.8 | 93 | 1.6 | - | 72 | 8.8 | 8.5 | | | | |
| 7 | 22.0 | 7.7 | | | | | 73 | 8.8 | 8.5 | | | | |
| 8 | 21.1 | 7.4 | | | | | 74 | 8.7 | 8.5 | | | | |
| 9 | 19.3 | 7.1 | 7.4 | 98 | 1.6 | - | 75 | 8.6 | 8.5 | 7.2 | 69 | 2.2 | - |
| 10 | 18.6 | 7.1 | | | | | 76 | 8.5 | 8.5 | | | | |
| 11 | 17.4 | 7.1 | | | | | 77 | 8.3 | 8.4 | | | | |
| 12 | 16.4 | 7.0 | 7.3 | 108 | 1.6 | 50 | 78 | 8.3 | 8.4 | | | | |
| 13 | 16.3 | 7.0 | | | | | 79 | 8.2 | 8.4 | | | | |
| 14 | 16.1 | 7.0 | | | | | 80 | 8.2 | 8.4 | 7.1 | 69 | 2.2 | 33 |
| 15 | 16.0 | 7.1 | 7.3 | 107 | 1.9 | - | 81 | 8.2 | 8.3 | | | | |
| 16 | 15.8 | 7.2 | | | | | 82 | 8.2 | 8.3 | | | | |
| 17 | 15.3 | 7.3 | | | | | 83 | 8.1 | 8.3 | | | | |
| 18 | 15.0 | 7.5 | 7.2 | 94 | 2.1 | - | 84 | 8.1 | 8.3 | | | | |
| 19 | 15.0 | 7.6 | | | | | 85 | 8.1 | 8.3 | 7.1 | 68 | 2.5 | - |
| 20 | 14.6 | 7.7 | | | | | 86 | 8.1 | 8.2 | | | | |
| 21 | 14.2 | 7.8 | 7.2 | 82 | 1.9 | 34 | 87 | 8.0 | 8.2 | | | | |
| 22 | 14.0 | 7.9 | | | | | 88 | 8.0 | 8.2 | | | | |
| 23 | 13.7 | 8.0 | | | | | 89 | 8.0 | 8.1 | | | | |
| 24 | 13.3 | 8.1 | 7.2 | 72 | 1.7 | - | 90 | 8.0 | 8.1 | 7.1 | 70 | 3.0 | 33 |
| 25 | 13.1 | 8.1 | | | | | 91 | 8.0 | 8.0 | | | | |
| 26 | 13.0 | 8.1 | | | | | 92 | 8.0 | 7.9 | | | | |
| 27 | 12.9 | 8.2 | 7.2 | 71 | 1.7 | - | 93 | 8.0 | 7.6 | | | | |
| 28 | 12.5 | 8.3 | | | | | 94 | 8.0 | 7.5 | | | | |
| 29 | 12.2 | 8.4 | | | | | 95 | 7.9 | 7.5 | 7.0 | 73 | 4.7 | 35 |
| 30 | 12.0 | 8.4 | 7.2 | 72 | 2.1 | 33 | 96 | 7.9 | 7.4 | | | | |
| 31 | 11.9 | 8.5 | | | | | 96.7 | 7.9 | - | Bottom | | | |
| 32 | 11.7 | 8.5 | | | | | | | | | | | |
| 33 | 11.4 | 8.5 | | | | | | | | | | | |
| 34 | 11.2 | 8.6 | | | | | | | | | | | |
| 35 | 11.1 | 8.6 | 7.2 | 72 | 2.1 | - | | | | | | | |
| 36 | 11.0 | 8.6 | | | | | | | | | | | |
| 37 | 11.0 | 8.6 | | | | | | | | | | | |
| 38 | 11.0 | 8.6 | | | | | | | | | | | |
| 39 | 10.9 | 8.6 | | | | | | | | | | | |
| 40 | 10.9 | 8.6 | 7.2 | 72 | 2.3 | 32 | | | | | | | |
| 41 | 10.7 | 8.7 | | | | | | | | | | | |
| 42 | 10.5 | 8.7 | | | | | | | | | | | |
| 43 | 10.3 | 8.7 | | | | | | | | | | | |
| 44 | 10.3 | 8.7 | | | | | | | | | | | |
| 45 | 10.2 | 8.7 | 7.2 | 72 | 2.5 | - | | | | | | | |
| 46 | 10.1 | 8.7 | | | | | | | | | | | |
| 47 | 10.1 | 8.7 | | | | | | | | | | | |
| 48 | 10.0 | 8.7 | | | | | | | | | | | |
| 49 | 10.0 | 8.7 | | | | | | | | | | | |
| 50 | 10.0 | 8.7 | 7.2 | 71 | 2.4 | 33 | | | | | | | |
| 51 | 10.0 | 8.7 | | | | | | | | | | | |
| 52 | 9.9 | 8.8 | | | | | | | | | | | |
| 53 | 9.8 | 8.8 | | | | | | | | | | | |
| 54 | 9.8 | 8.7 | | | | | | | | | | | |
| 55 | 9.8 | 8.6 | 7.2 | 69 | 2.2 | - | | | | | | | |
| 56 | 9.7 | 8.6 | | | | | | | | | | | |
| 57 | 9.6 | 8.6 | | | | | | | | | | | |
| 58 | 9.6 | 8.7 | | | | | | | | | | | |
| 59 | 9.4 | 8.7 | | | | | | | | | | | |
| 60 | 9.2 | 8.6 | 7.2 | 70 | 2.3 | 35 | | | | | | | |
| 61 | 9.2 | 8.6 | | | | | | | | | | | |
| 62 | 9.1 | 8.6 | | | | | | | | | | | |
| 63 | 9.1 | 8.6 | | | | | | | | | | | |
| 64 | 9.0 | 8.6 | | | | | | | | | | | |
| 65 | 9.0 | 8.6 | 7.2 | 69 | 2.2 | - | | | | | | | |

**SHASTA RESERVOIR
LIMNOLOGIC DATA**

Sta. A2L 048.5 222.8 Sacramento River Arm August 25, 1983 @ 0815 Hrs. Secchi 4.8m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| Surf. | 23.9 | 8.1 | 7.9 | 95 | 1.0 | 40 | 66 | 9.7 | 8.5 | | | | |
| 1 | 23.9 | 8.1 | | | | | 67 | 9.6 | 8.5 | | | | |
| 2 | 23.8 | 8.1 | | | | | 68 | 9.4 | 8.5 | | | | |
| 3 | 23.8 | 8.1 | 7.9 | 96 | 0.8 | - | 69 | 9.2 | 8.5 | | | | |
| 4 | 23.8 | 8.1 | | | | | 70 | 9.2 | 8.5 | 7.1 | 76 | 1.5 | 32 |
| 5 | 23.6 | 8.1 | | | | | 71 | 9.0 | 8.4 | | | | |
| 6 | 23.6 | 8.1 | 7.8 | 95 | 0.7 | 39 | 72 | 9.0 | 8.3 | | | | |
| 7 | 23.6 | 8.0 | | | | | 73 | 9.0 | 8.4 | | | | |
| 8 | 21.8 | 7.0 | | | | | 74 | 8.9 | 8.5 | | | | |
| 9 | 20.6 | 6.5 | 7.3 | 98 | 0.7 | - | 75 | 8.8 | 8.5 | 7.1 | 75 | 3.0 | - |
| 10 | 20.0 | 6.6 | | | | | 76 | 8.7 | 8.5 | | | | |
| 11 | 18.9 | 6.1 | | | | | 77 | 8.7 | 8.5 | | | | |
| 12 | 18.2 | 6.1 | 7.2 | 105 | 0.9 | 45 | 78 | 8.7 | 8.4 | | | | |
| 13 | 17.7 | 6.2 | | | | | 79 | 8.7 | 8.3 | | | | |
| 14 | 17.4 | 6.9 | | | | | 80 | 8.5 | 8.3 | 7.1 | 76 | 1.9 | 33 |
| 15 | 17.1 | 6.5 | 7.3 | 120 | 0.9 | - | 81 | 8.4 | 8.3 | | | | |
| 16 | 16.9 | 6.5 | | | | | 82 | 8.4 | 8.2 | | | | |
| 17 | 16.8 | 6.4 | | | | | 83 | 8.3 | 8.2 | | | | |
| 18 | 16.7 | 6.4 | 7.3 | 118 | 1.1 | 52 | 84 | 8.3 | 8.1 | | | | |
| 19 | 16.5 | 6.4 | | | | | 85 | 8.3 | 8.1 | 7.1 | 76 | 2.1 | - |
| 20 | 16.2 | 6.4 | | | | | 86 | 8.3 | 8.0 | | | | |
| 21 | 16.0 | 6.5 | 7.3 | 113 | 1.2 | - | 87 | 8.1 | 7.6 | | | | |
| 22 | 15.8 | 6.8 | | | | | 88 | 8.1 | 7.6 | | | | |
| 23 | 15.4 | 7.0 | | | | | 89 | 8.1 | 7.3 | | | | |
| 24 | 15.3 | 7.1 | 7.2 | 97 | 1.3 | 43 | 90 | 8.1 | 7.2 | 7.0 | 78 | 2.6 | 34 |
| 25 | 14.9 | 7.4 | | | | | 91 | 8.0 | 7.2 | | | | |
| 26 | 14.7 | 7.5 | | | | | 92 | 8.0 | 7.2 | | | | |
| 27 | 14.5 | 7.7 | 7.2 | 86 | 1.4 | - | 93 | 8.0 | 7.1 | | | | |
| 28 | 14.2 | 7.7 | | | | | 94 | 7.9 | 6.5 | 7.0 | 80 | 3.5 | 34 |
| 29 | 14.0 | 7.9 | | | | | 95 | 7.9 | 6.5 | | | | |
| 30 | 13.9 | 8.0 | 7.2 | 79 | 1.3 | 34 | 96 | 7.9 | 6.3 | | | | |
| 31 | 13.9 | 8.0 | | | | | 96.2 | - | - | Bottom | | | |
| 32 | 13.6 | 8.1 | | | | | | | | | | | |
| 33 | 13.2 | 8.2 | | | | | | | | | | | |
| 34 | 13.0 | 8.3 | | | | | | | | | | | |
| 35 | 12.8 | 8.4 | 7.2 | 74 | 1.5 | - | | | | | | | |
| 36 | 12.4 | 8.4 | | | | | | | | | | | |
| 37 | 12.3 | 8.5 | | | | | | | | | | | |
| 38 | 12.3 | 8.5 | | | | | | | | | | | |
| 39 | 11.9 | 8.6 | | | | | | | | | | | |
| 40 | 11.7 | 8.6 | 7.2 | 72 | 1.5 | 31 | | | | | | | |
| 41 | 11.5 | 8.7 | | | | | | | | | | | |
| 42 | 11.5 | 8.7 | | | | | | | | | | | |
| 43 | 11.3 | 8.7 | | | | | | | | | | | |
| 44 | 11.1 | 8.8 | | | | | | | | | | | |
| 45 | 11.0 | 8.8 | 7.2 | 72 | 1.5 | - | | | | | | | |
| 46 | 11.0 | 8.8 | | | | | | | | | | | |
| 47 | 10.9 | 8.8 | | | | | | | | | | | |
| 48 | 10.9 | 8.8 | | | | | | | | | | | |
| 49 | 10.8 | 8.8 | | | | | | | | | | | |
| 50 | 10.8 | 8.8 | 7.2 | 73 | 1.7 | 31 | | | | | | | |
| 51 | 10.8 | 8.8 | | | | | | | | | | | |
| 52 | 10.8 | 8.7 | | | | | | | | | | | |
| 53 | 10.5 | 8.8 | | | | | | | | | | | |
| 54 | 10.3 | 8.9 | | | | | | | | | | | |
| 55 | 10.3 | 8.9 | 7.2 | 72 | 1.9 | - | | | | | | | |
| 56 | 10.2 | 8.9 | | | | | | | | | | | |
| 57 | 10.1 | 8.8 | | | | | | | | | | | |
| 58 | 10.1 | 8.8 | | | | | | | | | | | |
| 59 | 10.0 | 8.8 | | | | | | | | | | | |
| 60 | 9.9 | 8.7 | 7.2 | 74 | 2.0 | 32 | | | | | | | |
| 61 | 9.9 | 8.7 | | | | | | | | | | | |
| 62 | 9.8 | 8.5 | | | | | | | | | | | |
| 63 | 9.8 | 8.5 | | | | | | | | | | | |
| 64 | 9.8 | 8.5 | | | | | | | | | | | |
| 65 | 9.7 | 8.5 | 7.1 | 75 | 2.0 | - | | | | | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 048.5 222.8 Sacramento River Arm October 4, 1983 @ 0830 Hrs. Secchi 7.9m

| epth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|---------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| urf. | 19.8 | 8.3 | 7.5 | 104 | 0.5 | 46 | 66 | 10.3 | 7.4 | | | | |
| 1 | 19.8 | 8.3 | | | | | 67 | 10.2 | 7.3 | | | | |
| 2 | 19.8 | 8.3 | | | | | 68 | 10.1 | 7.3 | | | | |
| 3 | 19.8 | 8.3 | 7.5 | 104 | 0.5 | - | 69 | 10.0 | 7.2 | | | | |
| 4 | 19.8 | 8.3 | | | | | 70 | 10.0 | 7.2 | 6.9 | 76 | 1.5 | 31 |
| 5 | 19.8 | 8.2 | | | | | 71 | 10.0 | 7.2 | | | | |
| 6 | 19.8 | 8.2 | 7.5 | 104 | 0.5 | - | 72 | 9.9 | 7.2 | | | | |
| 7 | 19.8 | 8.2 | | | | | 73 | 9.8 | 7.3 | | | | |
| 8 | 19.8 | 8.2 | | | | | 74 | 9.7 | 7.3 | | | | |
| 9 | 19.8 | 8.2 | 7.5 | 104 | 0.6 | 43 | 75 | 9.6 | 7.2 | 6.9 | 76 | 1.7 | - |
| 10 | 19.8 | 8.2 | | | | | 76 | 9.4 | 7.2 | | | | |
| 11 | 19.8 | 8.2 | | | | | 77 | 9.4 | 7.1 | | | | |
| 12 | 19.8 | 8.2 | 7.5 | 105 | 0.5 | - | 78 | 9.2 | 7.0 | | | | |
| 13 | 18.8 | 6.2 | | | | | 79 | 9.1 | 6.9 | | | | |
| 14 | 18.1 | 5.4 | | | | | 80 | 9.1 | 6.9 | 6.9 | 77 | 1.9 | 32 |
| 15 | 17.7 | 5.4 | 7.1 | 115 | 0.5 | - | 81 | 9.0 | 6.9 | | | | |
| 16 | 17.0 | 5.4 | | | | | 82 | 9.0 | 6.9 | | | | |
| 17 | 17.0 | 5.4 | | | | | 83 | 8.9 | 6.8 | | | | |
| 18 | 16.9 | 5.4 | 7.1 | 117 | 0.5 | 53 | 84 | 8.8 | 6.7 | | | | |
| 19 | 16.8 | 5.5 | | | | | 85 | 8.6 | 6.5 | 6.9 | 80 | 3.5 | - |
| 20 | 16.4 | 5.6 | | | | | 86 | 8.5 | 6.2 | | | | |
| 21 | 16.3 | 5.6 | 7.1 | 116 | 0.6 | - | 87 | 8.3 | 6.3 | | | | |
| 22 | 16.3 | 5.7 | | | | | 88 | 8.3 | 6.0 | | | | |
| 23 | 16.2 | 5.7 | | | | | 89 | 8.3 | 6.0 | 6.9 | 82 | 2.4 | 35 |
| 24 | 16.1 | 5.9 | 7.1 | 118 | 0.8 | - | 90 | 8.2 | 5.7 | | | | |
| 25 | 15.9 | 6.0 | | | | | 90.5 | 8.2 | 5.7 | Bottom | | | |
| 26 | 15.8 | 6.1 | | | | | | | | | | | |
| 27 | 15.8 | 6.2 | 7.1 | 115 | 0.7 | 50 | | | | | | | |
| 28 | 15.7 | 6.2 | | | | | | | | | | | |
| 29 | 15.6 | 6.4 | | | | | | | | | | | |
| 30 | 15.5 | 6.4 | 7.1 | 115 | 0.7 | - | | | | | | | |
| 31 | 15.4 | 6.5 | | | | | | | | | | | |
| 32 | 15.3 | 6.5 | | | | | | | | | | | |
| 33 | 15.1 | 6.6 | | | | | | | | | | | |
| 34 | 15.0 | 6.7 | | | | | | | | | | | |
| 35 | 14.8 | 6.9 | 7.1 | 100 | 1.2 | - | | | | | | | |
| 36 | 14.6 | 6.9 | | | | | | | | | | | |
| 37 | 14.5 | 7.0 | | | | | | | | | | | |
| 38 | 14.4 | 7.1 | | | | | | | | | | | |
| 39 | 14.2 | 7.2 | | | | | | | | | | | |
| 40 | 14.1 | 7.3 | 7.1 | 89 | 1.3 | 37 | | | | | | | |
| 41 | 14.0 | 7.3 | | | | | | | | | | | |
| 42 | 13.8 | 7.4 | | | | | | | | | | | |
| 43 | 13.6 | 7.5 | | | | | | | | | | | |
| 44 | 13.3 | 7.6 | | | | | | | | | | | |
| 45 | 13.2 | 7.6 | 7.1 | 81 | 1.3 | - | | | | | | | |
| 46 | 13.1 | 7.7 | | | | | | | | | | | |
| 47 | 12.9 | 7.6 | | | | | | | | | | | |
| 48 | 12.8 | 7.7 | | | | | | | | | | | |
| 49 | 12.5 | 7.8 | | | | | | | | | | | |
| 50 | 12.4 | 7.8 | 7.0 | 77 | 1.2 | - | | | | | | | |
| 51 | 12.2 | 7.7 | | | | | | | | | | | |
| 52 | 12.1 | 7.7 | | | | | | | | | | | |
| 53 | 11.9 | 7.6 | | | | | | | | | | | |
| 54 | 11.9 | 7.6 | | | | | | | | | | | |
| 55 | 11.7 | 7.5 | 6.9 | 75 | 1.1 | 31 | | | | | | | |
| 56 | 11.6 | 7.5 | | | | | | | | | | | |
| 57 | 11.4 | 7.6 | | | | | | | | | | | |
| 58 | 11.2 | 7.6 | | | | | | | | | | | |
| 59 | 11.1 | 7.6 | | | | | | | | | | | |
| 60 | 11.0 | 7.6 | 6.9 | 75 | 1.3 | - | | | | | | | |
| 61 | 10.9 | 7.5 | | | | | | | | | | | |
| 62 | 10.9 | 7.5 | | | | | | | | | | | |
| 63 | 10.8 | 7.5 | | | | | | | | | | | |
| 64 | 10.6 | 7.4 | | | | | | | | | | | |
| 65 | 10.5 | 7.4 | 6.9 | 74 | 2.1 | - | | | | | | | |

**SHASTA RESERVOIR
LIMNOLOGIC DATA**

Sta. A2L 048.5 222.8 Sacramento River Arm October 27, 1983 @ 0930 Hrs. Secchi 5.4m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|-----|--------|-------|------|
| Surf. | 17.2 | 8.1 | 7.4 | 108 | 0.5 | 47 | 66 | 11.0 | - | | | | |
| 1 | 17.2 | - | | | | | 67 | 10.9 | - | | | | |
| 2 | 17.2 | - | | | | | 68 | 10.6 | - | | | | |
| 3 | 17.2 | 8.1 | 7.4 | 107 | 0.8 | - | 69 | 10.5 | - | | | | |
| 4 | 17.2 | - | | | | | 70 | 10.3 | 7.2 | 6.8 | 72 | 1.6 | 32 |
| 5 | 17.2 | - | | | | | 71 | 10.1 | - | | | | |
| 6 | 17.1 | 8.1 | 7.3 | 108 | 0.9 | - | 72 | 10.0 | - | | | | |
| 7 | 17.1 | - | | | | | 73 | 9.9 | - | | | | |
| 8 | 17.1 | - | | | | | 74 | 9.7 | - | | | | |
| 9 | 17.1 | 8.1 | 7.3 | 108 | 0.8 | 47 | 75 | 9.4 | 6.9 | 6.9 | 74 | 2.2 | - |
| 10 | 17.1 | - | | | | | 76 | 9.2 | - | | | | |
| 11 | 17.1 | - | | | | | 77 | 9.1 | - | | | | |
| 12 | 17.1 | 8.1 | 7.3 | 108 | 0.9 | - | 78 | 9.0 | - | | | | |
| 13 | 17.1 | - | | | | | 79 | 9.0 | - | | | | |
| 14 | 17.1 | - | | | | | 80 | 8.9 | 6.6 | 6.9 | 78 | 3.2 | 34 |
| 15 | 17.1 | 8.1 | 7.3 | 115 | 0.6 | - | 81 | 8.8 | - | | | | |
| 16 | 17.1 | - | | | | | 82 | 8.6 | - | | | | |
| 17 | 17.1 | - | | | | | 83 | 8.4 | - | | | | |
| 18 | 16.7 | 5.9 | 7.1 | 111 | 0.6 | 50 | 84 | 8.2 | - | | | | |
| 19 | 16.3 | - | | | | | 85 | 8.1 | 5.9 | 6.8 | 81 | 3.4 | - |
| 20 | 16.0 | - | | | | | 86 | 8.1 | - | | | | |
| 21 | 16.0 | 5.3 | 7.0 | 110 | 0.8 | - | 87 | 8.0 | - | | | | |
| 22 | 15.9 | - | | | | | 88 | 8.0 | - | | | | |
| 23 | 15.9 | - | | | | | 89 | 8.0 | - | | | | |
| 24 | 15.7 | 5.8 | 7.0 | 109 | 1.0 | - | 90 | 7.9 | 5.7 | 6.8 | 82 | 3.9 | 35 |
| 25 | 15.5 | - | | | | | 91 | 7.9 | - | | | | |
| 26 | 15.4 | - | | | | | 91.2 | - | - | - | Bottom | | |
| 27 | 15.3 | 6.2 | 7.1 | 107 | 1.0 | 50 | | | | | | | |
| 28 | 15.1 | - | | | | | | | | | | | |
| 29 | 15.1 | - | | | | | | | | | | | |
| 30 | 15.0 | 6.4 | 7.1 | 97 | 1.1 | - | | | | | | | |
| 31 | 15.0 | - | | | | | | | | | | | |
| 32 | 14.9 | - | | | | | | | | | | | |
| 33 | 14.8 | - | | | | | | | | | | | |
| 34 | 14.8 | - | | | | | | | | | | | |
| 35 | 14.6 | 6.7 | 7.0 | 108 | 1.1 | - | | | | | | | |
| 36 | 14.4 | - | | | | | | | | | | | |
| 37 | 14.3 | - | | | | | | | | | | | |
| 38 | 14.2 | - | | | | | | | | | | | |
| 39 | 14.2 | - | | | | | | | | | | | |
| 40 | 14.1 | 7.5 | 7.0 | 107 | 1.1 | 47 | | | | | | | |
| 41 | 14.1 | - | | | | | | | | | | | |
| 42 | 14.0 | - | | | | | | | | | | | |
| 43 | 14.0 | - | | | | | | | | | | | |
| 44 | 14.0 | - | | | | | | | | | | | |
| 45 | 14.0 | 7.5 | 7.1 | 84 | 1.2 | - | | | | | | | |
| 46 | 13.9 | - | | | | | | | | | | | |
| 47 | 13.8 | - | | | | | | | | | | | |
| 48 | 13.6 | - | | | | | | | | | | | |
| 49 | 13.5 | - | | | | | | | | | | | |
| 50 | 13.3 | 7.7 | 7.1 | 79 | 1.4 | - | | | | | | | |
| 51 | 13.1 | - | | | | | | | | | | | |
| 52 | 13.0 | - | | | | | | | | | | | |
| 53 | 13.0 | - | | | | | | | | | | | |
| 54 | 12.9 | - | | | | | | | | | | | |
| 55 | 12.7 | 7.8 | 7.0 | 79 | 1.3 | 34 | | | | | | | |
| 56 | 12.5 | - | | | | | | | | | | | |
| 57 | 12.3 | - | | | | | | | | | | | |
| 58 | 12.2 | - | | | | | | | | | | | |
| 59 | 12.1 | - | | | | | | | | | | | |
| 60 | 12.0 | 7.0 | 6.9 | 75 | 1.3 | - | | | | | | | |
| 61 | 11.8 | - | | | | | | | | | | | |
| 62 | 11.5 | - | | | | | | | | | | | |
| 63 | 11.3 | - | | | | | | | | | | | |
| 64 | 11.2 | - | | | | | | | | | | | |
| 65 | 11.0 | 7.0 | 6.9 | 73 | 1.5 | - | | | | | | | |

**SHASTA RESERVOIR
LYMNOLOGIC DATA**

Sta. A2L 048.5 222.8 Sacramento River Arm December 5, 1983 @ 1120 Hrs. Secchi 4.0m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| Surf. | 12.8 | 9.4 | 7.5 | 103 | 1.2 | 46 | 66 | - | - | | | | |
| 1 | 12.8 | 9.5 | | | | | 67 | - | - | | | | |
| 2 | 12.8 | 9.4 | | | | | 68 | - | - | | | | |
| 3 | 12.8 | 9.4 | 7.5 | 102 | 1.4 | - | 69 | - | - | | | | |
| 4 | 12.8 | 9.4 | | | | | 70 | 11.7 | - | 7.3 | 112 | 3.9 | 50 |
| 5 | 12.8 | 9.4 | | | | | 71 | - | - | | | | |
| 6 | 12.8 | 9.4 | 7.5 | 103 | 1.3 | - | 72 | - | - | | | | |
| 7 | 12.8 | 9.4 | | | | | 73 | - | - | | | | |
| 8 | 12.8 | 9.4 | | | | | 74 | - | - | | | | |
| 9 | 12.7 | 9.4 | 7.5 | 102 | 1.4 | 46 | 75 | 11.1 | 9.1 | 7.3 | 111 | 4.5 | - |
| 10 | 12.8 | 9.4 | | | | | 76 | - | - | | | | |
| 11 | 12.8 | 9.4 | | | | | 77 | - | - | | | | |
| 12 | 12.8 | 9.4 | 7.5 | 103 | 1.4 | - | 78 | - | - | | | | |
| 13 | 12.8 | 9.4 | | | | | 79 | - | - | | | | |
| 14 | 12.8 | 9.4 | | | | | 80 | 10.0 | - | 7.0 | 86 | 4.0 | - |
| 15 | 12.8 | 9.4 | 7.5 | 103 | 1.4 | - | 81 | - | - | | | | |
| 16 | 12.8 | 9.4 | | | | | 82 | - | - | | | | |
| 17 | 12.8 | 9.4 | | | | | 83 | - | - | | | | |
| 18 | 12.8 | 9.4 | 7.5 | 102 | 1.5 | 46 | 84 | - | - | | | | |
| 19 | 12.8 | 9.4 | | | | | 85 | 9.4 | 6.5 | 6.8 | 80 | 4.7 | 36 |
| 20 | 12.8 | 9.4 | | | | | 86 | - | - | | | | |
| 21 | 12.8 | 9.4 | 7.5 | 103 | 1.4 | - | 87.0 | - | - | Bottom | | | |
| 22 | 12.8 | 9.4 | | | | | | | | | | | |
| 23 | 12.8 | 9.4 | | | | | | | | | | | |
| 24 | 12.8 | 9.4 | 7.5 | 103 | 1.4 | - | | | | | | | |
| 25 | 12.8 | 9.4 | | | | | | | | | | | |
| 26 | 12.8 | 9.4 | | | | | | | | | | | |
| 27 | 12.8 | 9.4 | 7.4 | 104 | 1.5 | 46 | | | | | | | |
| 28 | 12.8 | 9.4 | | | | | | | | | | | |
| 29 | 12.8 | 9.4 | | | | | | | | | | | |
| 30 | 12.8 | 9.4 | 7.5 | 103 | 1.5 | - | | | | | | | |
| 31 | 12.7 | 9.4 | | | | | | | | | | | |
| 32 | 12.7 | 9.4 | | | | | | | | | | | |
| 33 | 12.7 | 9.4 | | | | | | | | | | | |
| 34 | 12.7 | 9.4 | | | | | | | | | | | |
| 35 | 12.7 | 9.4 | 7.5 | 103 | 1.3 | - | | | | | | | |
| 36 | 12.7 | 9.4 | | | | | | | | | | | |
| 37 | 12.7 | 9.4 | | | | | | | | | | | |
| 38 | 12.7 | 9.4 | | | | | | | | | | | |
| 39 | 12.7 | 9.4 | | | | | | | | | | | |
| 40 | 12.7 | 9.4 | 7.5 | 103 | 1.2 | 47 | | | | | | | |
| 41 | 12.7 | 9.4 | | | | | | | | | | | |
| 42 | 12.7 | 9.4 | | | | | | | | | | | |
| 43 | 12.4 | 9.4 | | | | | | | | | | | |
| 44 | 12.0 | 9.4 | | | | | | | | | | | |
| 45 | 12.1 | 9.3 | 7.5 | 101 | 1.6 | - | | | | | | | |
| 46 | 12.1 | 9.4 | | | | | | | | | | | |
| 47 | 12.0 | 9.5 | | | | | | | | | | | |
| 48 | 11.7 | 9.5 | | | | | | | | | | | |
| 49 | 11.2 | 9.6 | | | | | | | | | | | |
| 50 | 11.1 | 9.5 | 7.5 | 100 | 2.6 | - | | | | | | | |
| 51 | - | - | | | | | | | | | | | |
| 52 | - | - | | | | | | | | | | | |
| 53 | - | - | | | | | | | | | | | |
| 54 | - | - | | | | | | | | | | | |
| 55 | 11.1 | 9.4 | 7.5 | 103 | 3.9 | 45 | | | | | | | |
| 56 | - | - | | | | | | | | | | | |
| 57 | - | - | | | | | | | | | | | |
| 58 | - | - | | | | | | | | | | | |
| 59 | - | - | | | | | | | | | | | |
| 60 | 11.7 | - | 7.4 | 99 | 4.0 | - | | | | | | | |
| 61 | - | - | | | | | | | | | | | |
| 62 | - | - | | | | | | | | | | | |
| 63 | - | - | | | | | | | | | | | |
| 64 | - | - | | | | | | | | | | | |
| 65 | 11.7 | 9.1 | 7.3 | 96 | 3.2 | - | | | | | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 048.5 222.8 Sacramento River Arm January 25, 1984 @ 0930 Hrs. Secchi 4.6m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|-----|--------|-------|------|
| Surf. | 9.2 | 10.6 | 7.3 | 94 | 0.8 | 45 | 66 | 7.8 | - | | | | |
| 1 | 9.2 | 10.6 | | | | | 67 | 7.7 | - | | | | |
| 2 | 9.2 | 10.7 | | | | | 68 | 7.7 | - | | | | |
| 3 | 9.2 | 10.7 | 7.3 | 89 | 0.7 | - | 69 | 7.7 | - | | | | |
| 4 | 9.2 | 10.7 | | | | | 70 | 7.7 | 11.5 | 7.2 | 109 | 6.7 | 53 |
| 5 | 9.2 | 10.7 | | | | | 71 | 7.7 | - | | | | |
| 6 | 9.2 | 10.7 | 7.3 | 90 | 0.9 | - | 72 | 7.7 | - | | | | |
| 7 | 9.2 | 10.7 | | | | | 73 | 7.7 | - | | | | |
| 8 | 9.2 | 10.7 | | | | | 74 | 7.7 | - | | | | |
| 9 | 9.2 | 10.7 | 7.2 | 90 | 0.9 | 43 | 75 | 7.7 | 11.5 | 7.2 | 112 | 7.3 | - |
| 10 | 9.1 | 10.7 | | | | | 76 | 7.6 | - | | | | |
| 11 | 9.1 | 10.7 | | | | | 77 | 7.6 | - | | | | |
| 12 | 9.1 | 10.7 | 7.2 | 90 | 0.8 | - | 78 | 7.6 | - | | | | |
| 13 | 9.1 | 10.6 | | | | | 79 | 7.6 | - | | | | |
| 14 | 9.1 | 10.6 | | | | | 80 | 7.6 | 11.7 | 7.2 | 112 | 7.1 | 53 |
| 15 | 9.1 | 10.6 | 7.2 | 88 | 0.9 | - | 81 | 7.6 | - | | | | |
| 16 | 9.1 | 10.6 | | | | | 82 | 7.6 | - | | | | |
| 17 | 9.1 | 10.6 | | | | | 83 | 7.6 | - | | | | |
| 18 | 9.1 | 10.6 | 7.2 | 90 | 0.9 | 42 | 84 | 7.6 | - | | | | |
| 19 | 9.0 | 10.6 | | | | | 85 | 7.6 | 11.6 | 7.2 | 109 | 6.6 | - |
| 20 | 9.0 | 10.6 | | | | | 86 | 7.6 | - | | | | |
| 21 | 9.0 | 10.6 | 7.2 | 90 | 0.9 | - | 87 | 7.6 | 11.6 | 7.2 | 108 | 8.2 | 54 |
| 22 | 9.0 | 10.6 | | | | | 88 | 7.6 | - | | | | |
| 23 | 9.0 | 10.6 | | | | | 89.9 | - | - | - | Bottom | | |
| 24 | 9.0 | 10.6 | 7.2 | 91 | 1.1 | - | | | | | | | |
| 25 | 9.0 | 10.6 | | | | | | | | | | | |
| 26 | 9.0 | 10.6 | | | | | | | | | | | |
| 27 | 9.0 | 10.6 | 7.2 | 91 | 1.0 | 42 | | | | | | | |
| 28 | 9.0 | 10.6 | | | | | | | | | | | |
| 29 | 9.0 | 10.6 | | | | | | | | | | | |
| 30 | 9.0 | 10.6 | 7.2 | 91 | 0.8 | - | | | | | | | |
| 31 | 9.0 | 10.6 | | | | | | | | | | | |
| 32 | 9.0 | 10.6 | | | | | | | | | | | |
| 33 | 8.9 | 10.6 | | | | | | | | | | | |
| 34 | 8.9 | 10.6 | | | | | | | | | | | |
| 35 | 8.8 | 10.6 | 7.2 | 84 | 1.5 | - | | | | | | | |
| 36 | 8.6 | 10.6 | | | | | | | | | | | |
| 37 | 8.4 | 10.6 | | | | | | | | | | | |
| 38 | 8.2 | 10.6 | | | | | | | | | | | |
| 39 | 8.2 | 10.7 | | | | | | | | | | | |
| 40 | 8.2 | 10.7 | 7.2 | 81 | 1.4 | 37 | | | | | | | |
| 41 | 8.2 | 10.7 | | | | | | | | | | | |
| 42 | 8.2 | 10.7 | | | | | | | | | | | |
| 43 | 8.2 | 10.7 | | | | | | | | | | | |
| 44 | 8.0 | 10.7 | | | | | | | | | | | |
| 45 | 8.0 | 10.7 | 7.2 | 81 | 1.7 | - | | | | | | | |
| 46 | 7.8 | 10.8 | | | | | | | | | | | |
| 47 | 7.6 | 10.8 | | | | | | | | | | | |
| 48 | 7.5 | 10.8 | | | | | | | | | | | |
| 49 | 7.5 | 10.9 | | | | | | | | | | | |
| 50 | 7.5 | 10.9 | 7.2 | 82 | 1.7 | - | | | | | | | |
| 51 | 8.2 | - | | | | | | | | | | | |
| 52 | 8.1 | - | | | | | | | | | | | |
| 53 | 8.1 | - | | | | | | | | | | | |
| 54 | 8.1 | - | | | | | | | | | | | |
| 55 | 8.0 | 10.9 | 7.2 | 86 | 1.6 | 40 | | | | | | | |
| 56 | 8.0 | - | | | | | | | | | | | |
| 57 | 8.0 | - | | | | | | | | | | | |
| 58 | 8.0 | - | | | | | | | | | | | |
| 59 | 8.0 | - | | | | | | | | | | | |
| 60 | 8.0 | 10.9 | 7.2 | 89 | 2.1 | - | | | | | | | |
| 61 | 8.0 | - | | | | | | | | | | | |
| 62 | 7.9 | - | | | | | | | | | | | |
| 63 | 7.9 | - | | | | | | | | | | | |
| 64 | 7.9 | - | | | | | | | | | | | |
| 65 | 7.9 | 11.4 | 7.2 | 108 | 6.1 | - | | | | | | | |

**SHASTA RESERVOIR
LIMNOLOGIC DATA**

Sta. A2L 048.5 222.8 Sacramento River Arm February 29, 1984 @ 0930 Hrs. Secchi —

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| Surf. | 8.8 | 11.1 | 7.4 | 93 | 1.0 | 42 | 66 | 6.8 | 10.7 | | | | |
| 1 | 8.8 | 11.1 | | | | | 67 | 6.8 | 10.7 | | | | |
| 2 | 8.8 | 11.1 | | | | | 68 | 6.8 | 10.7 | | | | |
| 3 | 8.8 | 11.0 | 7.4 | 94 | 0.9 | - | 69 | 6.8 | 10.7 | | | | |
| 4 | 8.8 | 11.0 | | | | | 70 | 6.8 | 10.7 | 7.2 | 112 | 5.8 | 52 |
| 5 | 8.8 | 11.0 | | | | | 71 | 6.8 | 10.7 | | | | |
| 6 | 8.8 | 11.0 | 7.4 | 95 | 1.0 | - | 72 | 6.8 | 10.7 | | | | |
| 7 | 8.8 | 11.0 | | | | | 73 | 6.8 | 10.7 | | | | |
| 8 | 8.8 | 10.9 | | | | | 74 | 6.8 | 10.7 | | | | |
| 9 | 8.8 | 10.9 | 7.3 | 95 | 1.0 | 43 | 75 | 6.8 | 10.7 | 7.2 | 114 | 6.1 | 52 |
| 10 | 8.8 | 10.8 | | | | | 76 | 6.7 | 10.7 | | | | |
| 11 | 8.8 | 10.8 | | | | | 77 | 6.7 | 10.7 | | | | |
| 12 | 8.8 | 10.8 | 7.3 | 95 | 1.0 | - | 78 | 6.7 | 10.8 | | | | |
| 13 | 8.8 | 10.8 | | | | | 79 | 6.7 | 10.8 | | | | |
| 14 | 8.7 | 10.8 | | | | | 80 | 6.6 | 10.7 | 7.2 | 115 | 6.3 | 53 |
| 15 | 8.7 | 10.8 | 7.3 | 95 | 1.0 | - | 81 | 6.6 | 10.7 | | | | |
| 16 | 8.7 | 10.8 | | | | | 82 | 6.6 | 10.7 | | | | |
| 17 | 8.7 | 10.8 | | | | | 83 | 6.6 | 10.7 | | | | |
| 18 | 8.7 | 10.8 | 7.3 | 94 | 1.0 | 43 | 84 | 6.5 | 10.7 | | | | |
| 19 | 8.6 | 10.8 | | | | | 85 | 6.5 | 10.7 | 7.2 | 115 | 5.8 | 55 |
| 20 | 8.6 | 10.8 | | | | | 86 | 6.5 | 10.7 | | | | |
| 21 | 8.6 | 10.8 | 7.3 | 94 | 1.0 | - | 87 | 6.5 | 10.7 | | | | |
| 22 | 8.5 | 10.7 | | | | | 88 | 6.5 | 10.7 | | | | |
| 23 | 8.5 | 10.7 | | | | | 89 | 6.4 | 10.7 | | | | |
| 24 | 8.5 | 10.7 | 7.3 | 95 | 1.2 | - | 90 | 6.4 | 10.7 | 7.2 | 116 | 6.0 | 54 |
| 25 | 8.5 | 10.7 | | | | | 91 | 6.4 | 10.7 | | | | |
| 26 | 8.5 | 10.7 | | | | | 92 | 6.4 | 10.7 | | | | |
| 27 | 8.5 | 10.7 | 7.3 | 94 | 1.0 | 42 | 93 | 6.4 | 10.7 | | | | |
| 28 | 8.5 | 10.6 | | | | | 94 | 6.4 | 10.7 | | | | |
| 29 | 8.5 | 10.6 | | | | | 95 | 6.4 | 10.7 | | | | |
| 30 | 8.4 | 10.6 | 7.3 | 94 | 1.0 | - | 96 | 6.4 | 10.7 | 7.2 | 118 | 6.1 | 55 |
| 31 | 8.3 | 10.6 | | | | | 97 | 6.4 | 10.7 | | | | |
| 32 | 8.3 | 10.6 | | | | | 98 | 6.4 | 10.7 | Bottom | | | |
| 33 | 8.2 | 10.5 | | | | | | | | | | | |
| 34 | 8.1 | 10.5 | | | | | | | | | | | |
| 35 | 8.0 | 10.5 | 7.3 | 93 | 1.4 | - | | | | | | | |
| 36 | 7.9 | 10.5 | | | | | | | | | | | |
| 37 | 7.8 | 10.5 | | | | | | | | | | | |
| 38 | 7.7 | 10.6 | | | | | | | | | | | |
| 39 | 7.5 | 10.6 | | | | | | | | | | | |
| 40 | 7.4 | 10.6 | 7.3 | 92 | 1.8 | 42 | | | | | | | |
| 41 | 7.3 | 10.6 | | | | | | | | | | | |
| 42 | 7.3 | 10.7 | | | | | | | | | | | |
| 43 | 7.3 | 10.8 | | | | | | | | | | | |
| 44 | 7.2 | 10.8 | | | | | | | | | | | |
| 45 | 7.2 | 10.8 | 7.3 | 90 | 1.6 | - | | | | | | | |
| 46 | 7.2 | 10.8 | | | | | | | | | | | |
| 47 | 7.1 | 10.8 | | | | | | | | | | | |
| 48 | 7.1 | 10.8 | | | | | | | | | | | |
| 49 | 7.1 | 10.8 | | | | | | | | | | | |
| 50 | 7.1 | 10.8 | 7.3 | 90 | 2.0 | - | | | | | | | |
| 51 | 7.0 | 10.8 | | | | | | | | | | | |
| 52 | 7.0 | 10.8 | | | | | | | | | | | |
| 53 | 7.0 | 10.8 | | | | | | | | | | | |
| 54 | 7.0 | 10.8 | | | | | | | | | | | |
| 55 | 7.0 | 10.8 | 7.2 | 95 | 2.7 | 42 | | | | | | | |
| 56 | 7.0 | 10.8 | | | | | | | | | | | |
| 57 | 7.0 | 10.8 | | | | | | | | | | | |
| 58 | 7.0 | 10.8 | | | | | | | | | | | |
| 59 | 7.0 | 10.8 | | | | | | | | | | | |
| 60 | 7.0 | 10.8 | 7.2 | 104 | 3.8 | 47 | | | | | | | |
| 61 | 7.0 | 10.8 | | | | | | | | | | | |
| 62 | 7.0 | 10.8 | | | | | | | | | | | |
| 63 | 6.9 | 10.8 | | | | | | | | | | | |
| 64 | 6.9 | 10.8 | | | | | | | | | | | |
| 65 | 6.9 | 10.7 | 7.2 | 107 | 4.1 | 48 | | | | | | | |

**SHASTA RESERVOIR
LIMNOLOGIC DATA**

Sta. A2L 048.5 222.8 Sacramento River Arm April 4, 1984 @ 0930 Hrs. Secchi 4.7 m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| Surf. | 11.5 | 10.8 | 7.7 | 92 | 1.2 | 41 | 66 | 6.9 | 10.5 | | | | |
| 1 | 11.5 | 10.8 | | | | | 67 | 6.9 | 10.5 | | | | |
| 2 | 11.3 | 10.7 | | | | | 68 | 6.8 | 10.5 | | | | |
| 3 | 11.3 | 10.7 | 7.7 | 94 | 1.2 | - | 69 | 6.8 | 10.5 | | | | |
| 4 | 11.3 | 10.8 | | | | | 70 | 6.8 | 10.5 | 7.3 | 113 | 3.7 | 49 |
| 5 | 11.2 | 10.7 | | | | | 71 | 6.8 | 10.5 | | | | |
| 6 | 11.2 | 10.7 | 7.7 | 97 | 1.6 | - | 72 | 6.8 | 10.5 | | | | |
| 7 | 11.2 | 10.7 | | | | | 73 | 6.8 | 10.5 | | | | |
| 8 | 11.0 | 10.7 | | | | | 74 | 6.8 | 10.5 | | | | |
| 9 | 10.8 | 10.7 | 7.6 | 97 | 1.4 | 41 | 75 | 6.8 | 10.5 | 7.3 | 115 | 3.9 | - |
| 10 | 10.5 | 10.7 | | | | | 76 | 6.8 | 10.5 | | | | |
| 11 | 10.3 | 10.7 | | | | | 77 | 6.8 | 10.5 | | | | |
| 12 | 10.2 | 10.6 | 7.5 | 98 | 1.0 | - | 78 | 6.7 | 10.6 | | | | |
| 13 | 10.0 | 10.6 | | | | | 79 | 6.7 | 10.6 | | | | |
| 14 | 9.8 | 10.5 | | | | | 80 | 6.7 | 10.6 | 7.3 | 118 | 4.5 | - |
| 15 | 9.6 | 10.5 | 7.4 | 98 | 1.3 | - | 81 | 6.7 | 10.6 | | | | |
| 16 | 9.5 | 10.5 | | | | | 82 | 6.7 | 10.6 | | | | |
| 17 | 9.3 | 10.5 | | | | | 83 | 6.7 | 10.6 | | | | |
| 18 | 9.2 | 10.5 | 7.4 | 99 | 1.3 | 42 | 84 | 6.7 | 10.6 | | | | |
| 19 | 9.2 | 10.5 | | | | | 85 | 6.7 | 10.6 | 7.3 | 120 | 4.4 | 52 |
| 20 | 9.2 | 10.5 | | | | | 86 | 6.7 | 10.6 | | | | |
| 21 | 9.1 | 10.5 | 7.4 | 99 | 1.3 | - | 87 | 6.6 | 10.6 | | | | |
| 22 | 9.1 | 10.5 | | | | | 88 | 6.6 | 10.6 | | | | |
| 23 | 9.0 | 10.5 | | | | | 89 | 6.6 | 10.6 | | | | |
| 24 | 8.9 | 10.4 | 7.4 | 99 | 1.0 | - | 90 | 6.6 | 10.6 | 7.3 | 121 | 4.6 | - |
| 25 | 8.8 | 10.4 | | | | | 91 | 6.5 | 10.5 | | | | |
| 26 | 8.8 | 10.4 | | | | | 92 | 6.5 | 10.5 | | | | |
| 27 | 8.7 | 10.4 | 7.4 | 99 | 0.9 | 43 | 93 | 6.6 | 10.5 | | | | |
| 28 | 8.7 | 10.4 | | | | | 94 | 6.6 | 10.5 | | | | |
| 29 | 8.6 | 10.4 | | | | | 95 | 6.5 | 10.4 | 7.3 | 122 | 4.8 | 55 |
| 30 | 8.5 | 10.4 | 7.4 | 98 | 0.9 | - | 96 | 6.5 | 10.4 | | | | |
| 31 | 8.5 | 10.5 | | | | | 97 | 6.5 | 10.4 | | | | |
| 32 | 8.4 | 10.5 | | | | | 98 | 6.5 | 10.4 | | | | |
| 33 | 8.4 | 10.4 | | | | | 98.5 | - | - | Bottom | | | |
| 34 | 8.4 | 10.4 | | | | | | | | | | | |
| 35 | 8.4 | 10.4 | 7.4 | 101 | 1.2 | - | | | | | | | |
| 36 | 8.4 | 10.5 | | | | | | | | | | | |
| 37 | 8.3 | 10.5 | | | | | | | | | | | |
| 38 | 8.3 | 10.5 | | | | | | | | | | | |
| 39 | 8.3 | 10.5 | | | | | | | | | | | |
| 40 | 8.2 | 10.5 | 7.3 | 99 | 1.0 | 43 | | | | | | | |
| 41 | 8.2 | 10.5 | | | | | | | | | | | |
| 42 | 8.2 | 10.5 | | | | | | | | | | | |
| 43 | 8.2 | 10.5 | | | | | | | | | | | |
| 44 | 8.1 | 10.5 | | | | | | | | | | | |
| 45 | 8.1 | 10.5 | 7.3 | 98 | 1.0 | - | | | | | | | |
| 46 | 8.1 | 10.5 | | | | | | | | | | | |
| 47 | 8.0 | 10.5 | | | | | | | | | | | |
| 48 | 8.0 | 10.5 | | | | | | | | | | | |
| 49 | 8.0 | 10.5 | | | | | | | | | | | |
| 50 | 7.9 | 10.5 | 7.3 | 98 | 1.0 | - | | | | | | | |
| 51 | 7.9 | 10.5 | | | | | | | | | | | |
| 52 | 7.8 | 10.5 | | | | | | | | | | | |
| 53 | 7.8 | 10.5 | | | | | | | | | | | |
| 54 | 7.7 | 10.6 | | | | | | | | | | | |
| 55 | 7.6 | 10.6 | 7.3 | 96 | 1.4 | 43 | | | | | | | |
| 56 | 7.5 | 10.6 | | | | | | | | | | | |
| 57 | 7.5 | 10.6 | | | | | | | | | | | |
| 58 | 7.4 | 10.6 | | | | | | | | | | | |
| 59 | 7.3 | 10.6 | | | | | | | | | | | |
| 60 | 7.2 | 10.6 | 7.3 | 101 | 2.0 | - | | | | | | | |
| 61 | 7.2 | 10.6 | | | | | | | | | | | |
| 62 | 7.1 | 10.6 | | | | | | | | | | | |
| 63 | 7.0 | 10.6 | | | | | | | | | | | |
| 64 | 7.0 | 10.5 | | | | | | | | | | | |
| 65 | 6.9 | 10.5 | 7.3 | 108 | 3.0 | - | | | | | | | |

**SHASTA RESERVOIR
LIMNOLOGIC DATA**

Sta. A2L 048.5 222.8 Sacramento River Arm May 9, 1984 @ 0930 Hrs. Secchi 6.8m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| surf. | 14.8 | 10.0 | 7.6 | 96 | 0.5 | 43 | 66 | 7.7 | 10.1 | | | | |
| 1 | 14.8 | 10.0 | | | | | 67 | 7.6 | 10.0 | | | | |
| 2 | 14.8 | 10.0 | | | | | 68 | 7.5 | 10.0 | | | | |
| 3 | 14.8 | 10.0 | 7.6 | 96 | 0.7 | - | 69 | 7.5 | 10.0 | | | | |
| 4 | 14.6 | 10.0 | | | | | 70 | 7.4 | 10.0 | 7.2 | 99 | 1.5 | 43 |
| 5 | 14.2 | 10.1 | | | | | 71 | 7.3 | 10.0 | | | | |
| 6 | 14.0 | 10.2 | 7.5 | 96 | 0.8 | - | 72 | 7.2 | 10.0 | | | | |
| 7 | 13.8 | 10.1 | | | | | 73 | 7.1 | 9.9 | | | | |
| 8 | 13.6 | 10.0 | | | | | 74 | 7.1 | 9.9 | | | | |
| 9 | 13.5 | 10.0 | 7.5 | 96 | 0.8 | 40 | 75 | 7.1 | 9.9 | 7.2 | 101 | 2.0 | - |
| 10 | 13.4 | 10.0 | | | | | 76 | 7.0 | 9.9 | | | | |
| 11 | 13.2 | 10.0 | | | | | 77 | 7.0 | 9.9 | | | | |
| 12 | 13.1 | 10.0 | 7.4 | 96 | 0.6 | - | 78 | 7.0 | 9.9 | | | | |
| 13 | 12.9 | 10.0 | | | | | 79 | 6.9 | 9.8 | | | | |
| 14 | 12.5 | 10.0 | | | | | 80 | 6.9 | 9.8 | 7.2 | 105 | 2.4 | - |
| 15 | 12.1 | 9.9 | 7.3 | 99 | 1.2 | - | 81 | 6.9 | 9.8 | | | | |
| 16 | 11.9 | 9.9 | | | | | 82 | 6.9 | 9.8 | | | | |
| 17 | 11.7 | 9.9 | | | | | 83 | 6.9 | 9.8 | | | | |
| 18 | 11.3 | 9.9 | 7.3 | 102 | 1.4 | 48 | 84 | 6.9 | 9.8 | | | | |
| 19 | 11.2 | 9.9 | | | | | 85 | 6.8 | 9.8 | 7.2 | 109 | 2.5 | 51 |
| 20 | 10.5 | 10.0 | | | | | 86 | 6.8 | 9.8 | | | | |
| 21 | 10.3 | 10.0 | 7.3 | 103 | 1.4 | - | 87 | 6.8 | 9.8 | | | | |
| 22 | 9.8 | 10.0 | | | | | 88 | 6.7 | 9.8 | | | | |
| 23 | 9.8 | 10.0 | | | | | 89 | 6.7 | 9.8 | | | | |
| 24 | 9.6 | 10.0 | 7.3 | 102 | 1.5 | - | 90 | 6.7 | 9.8 | 7.2 | 111 | 2.9 | - |
| 25 | 9.5 | 10.0 | | | | | 91 | 6.6 | 9.7 | | | | |
| 26 | 9.4 | 10.0 | | | | | 92 | 6.6 | 9.7 | | | | |
| 27 | 9.3 | 10.1 | 7.3 | 100 | 1.3 | 44 | 93 | 6.6 | 9.7 | | | | |
| 28 | 9.2 | 10.1 | | | | | 94 | 6.6 | 9.6 | 7.2 | 104 | 1.9 | 47 |
| 29 | 9.1 | 10.1 | | | | | 95 | 6.6 | 9.5 | | | | |
| 30 | 9.0 | 10.1 | 7.3 | 98 | 1.1 | - | 95.5 | - | - | Bottom | | | |
| 31 | 9.0 | 10.1 | | | | | | | | | | | |
| 32 | 9.0 | 10.1 | | | | | | | | | | | |
| 33 | 8.9 | 10.1 | | | | | | | | | | | |
| 34 | 8.9 | 10.1 | | | | | | | | | | | |
| 35 | 8.9 | 10.1 | 7.3 | 95 | 1.1 | - | | | | | | | |
| 36 | 8.8 | 10.1 | | | | | | | | | | | |
| 37 | 8.8 | 10.1 | | | | | | | | | | | |
| 38 | 8.7 | 10.1 | | | | | | | | | | | |
| 39 | 8.7 | 10.1 | | | | | | | | | | | |
| 40 | 8.6 | 10.1 | 7.3 | 93 | 1.0 | 42 | | | | | | | |
| 41 | 8.6 | 10.1 | | | | | | | | | | | |
| 42 | 8.6 | 10.1 | | | | | | | | | | | |
| 43 | 8.6 | 10.1 | | | | | | | | | | | |
| 44 | 8.6 | 10.1 | | | | | | | | | | | |
| 45 | 8.5 | 10.1 | 7.3 | 93 | 0.5 | - | | | | | | | |
| 46 | - | 10.1 | | | | | | | | | | | |
| 47 | 8.4 | 10.1 | | | | | | | | | | | |
| 48 | 8.4 | 10.1 | | | | | | | | | | | |
| 49 | 8.3 | 10.2 | | | | | | | | | | | |
| 50 | 8.3 | 10.2 | 7.3 | 94 | 0.9 | - | | | | | | | |
| 51 | 8.2 | 10.2 | | | | | | | | | | | |
| 52 | 8.2 | 10.2 | | | | | | | | | | | |
| 53 | 8.2 | 10.2 | | | | | | | | | | | |
| 54 | 8.2 | 10.2 | | | | | | | | | | | |
| 55 | 8.1 | 10.2 | 7.3 | 96 | 1.0 | 42 | | | | | | | |
| 56 | 8.1 | 10.2 | | | | | | | | | | | |
| 57 | 8.1 | 10.2 | | | | | | | | | | | |
| 58 | 8.1 | 10.2 | | | | | | | | | | | |
| 59 | 8.1 | 10.2 | | | | | | | | | | | |
| 60 | 8.0 | 10.1 | 7.2 | 95 | 0.9 | - | | | | | | | |
| 61 | 8.0 | 10.1 | | | | | | | | | | | |
| 62 | 8.0 | 10.1 | | | | | | | | | | | |
| 63 | 7.9 | 10.1 | | | | | | | | | | | |
| 64 | 7.8 | 10.1 | | | | | | | | | | | |
| 65 | 7.8 | 10.1 | 7.2 | 96 | 1.1 | - | | | | | | | |

**SHASTA RESERVOIR
LIMNOLOGIC DATA**

Sta. A2L 048.5 222.8 Sacramento River Arm June 8, 1984 @ 1100 Hrs. Secchi 7.1m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| Surf. | 18.1 | 9.1 | 7.4 | 99 | <1.0 | 40 | 66 | 8.1 | 8.8 | | | | |
| 1 | 18.1 | 9.1 | | | | | 67 | 8.1 | 8.8 | | | | |
| 2 | 18.1 | 9.1 | | | | | 68 | 8.1 | 8.8 | | | | |
| 3 | 18.0 | 9.0 | 7.4 | 101 | <1.0 | - | 69 | 8.0 | 8.8 | | | | |
| 4 | 18.0 | 9.0 | | | | | 70 | 8.0 | 8.8 | 7.2 | 97 | 1.3 | 41 |
| 5 | 18.0 | 9.0 | | | | | 71 | 8.0 | 8.8 | | | | |
| 6 | 17.9 | 9.0 | 7.4 | 101 | <1.0 | - | 72 | 7.9 | 8.7 | | | | |
| 7 | 17.9 | 9.0 | | | | | 73 | 7.9 | 8.7 | | | | |
| 8 | 17.9 | 9.0 | | | | | 74 | 7.9 | 8.7 | | | | |
| 9 | 17.9 | 8.9 | 7.4 | 101 | <1.0 | 43 | 75 | 7.9 | 8.6 | 7.2 | 98 | 1.5 | - |
| 10 | 17.8 | 8.9 | | | | | 76 | 7.8 | 8.6 | | | | |
| 11 | 17.7 | 8.8 | | | | | 77 | 7.8 | 8.6 | | | | |
| 12 | 15.1 | 9.0 | 7.4 | 112 | <1.0 | - | 78 | 7.7 | 8.6 | | | | |
| 13 | 14.7 | 9.0 | | | | | 79 | 7.5 | 8.6 | | | | |
| 14 | 14.2 | 9.1 | | | | | 80 | 7.3 | 8.5 | 7.2 | 101 | 1.8 | 43 |
| 15 | 13.9 | 8.9 | 7.4 | 109 | 1.0 | - | 81 | 7.3 | 8.5 | | | | |
| 16 | 13.3 | 8.9 | | | | | 82 | 7.3 | 8.4 | Bottom | | | |
| 17 | 13.0 | 8.8 | | | | | | | | | | | |
| 18 | 12.8 | 8.8 | 7.3 | 109 | 1.1 | 47 | | | | | | | |
| 19 | 12.5 | 8.7 | | | | | | | | | | | |
| 20 | 12.2 | 8.7 | | | | | | | | | | | |
| 21 | 12.0 | 8.7 | 7.3 | 107 | 1.1 | - | | | | | | | |
| 22 | 11.9 | 8.7 | | | | | | | | | | | |
| 23 | 11.7 | 8.7 | | | | | | | | | | | |
| 24 | 11.5 | 8.7 | 7.3 | 108 | 1.3 | - | | | | | | | |
| 25 | 11.1 | 8.6 | | | | | | | | | | | |
| 26 | 11.0 | 8.7 | | | | | | | | | | | |
| 27 | 10.8 | 8.7 | 7.3 | 108 | 1.3 | 47 | | | | | | | |
| 28 | 10.7 | 8.7 | | | | | | | | | | | |
| 29 | 10.5 | 8.7 | | | | | | | | | | | |
| 30 | 10.2 | 8.7 | 7.2 | 108 | 1.5 | - | | | | | | | |
| 31 | 10.1 | 8.6 | | | | | | | | | | | |
| 32 | 10.1 | 8.6 | | | | | | | | | | | |
| 33 | 10.0 | 8.6 | | | | | | | | | | | |
| 34 | 9.9 | 8.6 | | | | | | | | | | | |
| 35 | 9.6 | 8.6 | 7.2 | 102 | 1.2 | - | | | | | | | |
| 36 | 9.5 | 8.6 | | | | | | | | | | | |
| 37 | 9.3 | 8.7 | | | | | | | | | | | |
| 38 | 9.2 | 8.7 | | | | | | | | | | | |
| 39 | 9.2 | 8.7 | | | | | | | | | | | |
| 40 | 9.2 | 8.7 | 7.2 | 101 | 1.0 | 43 | | | | | | | |
| 41 | 9.1 | 8.7 | | | | | | | | | | | |
| 42 | 9.1 | 8.7 | | | | | | | | | | | |
| 43 | 9.0 | 8.7 | | | | | | | | | | | |
| 44 | 9.0 | 8.7 | | | | | | | | | | | |
| 45 | 9.0 | 8.8 | 7.2 | 100 | 1.0 | - | | | | | | | |
| 46 | 8.9 | 8.8 | | | | | | | | | | | |
| 47 | 8.7 | 8.8 | | | | | | | | | | | |
| 48 | 8.8 | 8.8 | | | | | | | | | | | |
| 49 | 8.8 | 8.8 | | | | | | | | | | | |
| 50 | 8.7 | 8.8 | 7.2 | 97 | 1.0 | - | | | | | | | |
| 51 | 8.7 | 8.8 | | | | | | | | | | | |
| 52 | 8.5 | 8.8 | | | | | | | | | | | |
| 53 | 8.6 | 8.8 | | | | | | | | | | | |
| 54 | 8.5 | 8.8 | | | | | | | | | | | |
| 55 | 8.4 | 8.8 | 7.2 | 96 | 1.0 | 41 | | | | | | | |
| 56 | 8.3 | 8.8 | | | | | | | | | | | |
| 57 | 8.3 | 8.8 | | | | | | | | | | | |
| 58 | 8.3 | 8.8 | | | | | | | | | | | |
| 59 | 8.3 | 8.8 | | | | | | | | | | | |
| 60 | 8.2 | 8.8 | 7.2 | 95 | 1.0 | - | | | | | | | |
| 61 | 8.2 | 8.8 | | | | | | | | | | | |
| 62 | 8.2 | 8.8 | | | | | | | | | | | |
| 63 | 8.2 | 8.8 | | | | | | | | | | | |
| 64 | 8.1 | 8.8 | | | | | | | | | | | |
| 65 | 8.1 | 8.8 | 7.2 | 95 | 1.0 | - | | | | | | | |

**SHASTA RESERVOIR
LIMNOLOGIC DATA**

Sta. A2L 048.5 222.8 Sacramento River Arm July 12, 1984 @ 1000 Hrs. Secchi 3.3m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|-----|--------|-------|------|
| Surf. | 25.4 | 7.8 | 7.6 | 101 | 0.6 | 45 | 70 | 9.7 | 9.5 | 7.2 | 94 | 1.3 | 41 |
| 1 | 25.3 | 7.8 | | | | | 75 | 9.4 | 9.5 | 7.2 | 95 | 1.1 | - |
| 2 | 25.3 | 7.9 | | | | | 80 | 9.2 | 9.4 | 7.2 | 96 | 1.5 | - |
| 3 | 25.3 | 7.9 | 7.6 | 101 | 0.7 | - | 85 | 8.9 | 8.9 | 7.1 | 103 | 2.4 | 47 |
| 4 | 25.0 | 7.9 | | | | | 87.5 | - | - | | Bottom | | |
| 5 | 24.8 | 8.0 | | | | | | | | | | | |
| 6 | 23.2 | 8.2 | 7.5 | 102 | 0.6 | - | | | | | | | |
| 7 | 22.3 | 8.3 | | | | | | | | | | | |
| 8 | 21.8 | 8.4 | | | | | | | | | | | |
| 9 | 20.7 | 8.4 | 7.4 | 102 | 0.7 | 46 | | | | | | | |
| 10 | 19.1 | 8.3 | | | | | | | | | | | |
| 11 | 18.8 | 8.3 | | | | | | | | | | | |
| 12 | 18.3 | 8.1 | 7.4 | 102 | 0.6 | - | | | | | | | |
| 13 | 18.0 | 7.9 | | | | | | | | | | | |
| 14 | 17.6 | 7.8 | | | | | | | | | | | |
| 15 | 17.2 | 7.9 | 7.3 | 110 | 0.8 | - | | | | | | | |
| 16 | 16.9 | 7.9 | | | | | | | | | | | |
| 17 | 16.4 | 7.9 | | | | | | | | | | | |
| 18 | 16.0 | 8.0 | 7.3 | 115 | 1.0 | 55 | | | | | | | |
| 19 | 15.7 | 8.0 | | | | | | | | | | | |
| 20 | 15.3 | 8.1 | | | | | | | | | | | |
| 21 | 15.0 | 8.1 | 7.3 | 115 | 0.9 | - | | | | | | | |
| 22 | 14.8 | 8.2 | | | | | | | | | | | |
| 23 | 14.5 | 8.3 | | | | | | | | | | | |
| 24 | 14.1 | 8.4 | 7.3 | 107 | 0.6 | - | | | | | | | |
| 25 | 13.8 | 8.5 | | | | | | | | | | | |
| 26 | 13.4 | 8.6 | | | | | | | | | | | |
| 27 | 13.2 | 8.6 | 7.3 | 101 | 0.7 | 45 | | | | | | | |
| 28 | 12.9 | 8.6 | | | | | | | | | | | |
| 29 | 12.7 | 8.7 | | | | | | | | | | | |
| 30 | 12.3 | 8.7 | 7.3 | 101 | 0.9 | - | | | | | | | |
| 31 | 11.9 | 8.8 | | | | | | | | | | | |
| 32 | 11.7 | 8.9 | | | | | | | | | | | |
| 33 | 11.6 | 8.9 | | | | | | | | | | | |
| 34 | 11.4 | 8.9 | | | | | | | | | | | |
| 35 | 11.2 | 9.0 | 7.3 | 107 | 1.4 | - | | | | | | | |
| 36 | 11.1 | 9.0 | | | | | | | | | | | |
| 37 | 11.0 | 9.0 | | | | | | | | | | | |
| 38 | 10.9 | 9.0 | | | | | | | | | | | |
| 39 | 10.8 | 9.1 | | | | | | | | | | | |
| 40 | 10.7 | 9.1 | 7.3 | 108 | 1.4 | 49 | | | | | | | |
| 41 | 10.6 | 9.1 | | | | | | | | | | | |
| 42 | 10.5 | 9.1 | | | | | | | | | | | |
| 43 | 10.5 | 9.1 | | | | | | | | | | | |
| 44 | 10.3 | 9.1 | | | | | | | | | | | |
| 45 | 10.1 | 9.1 | 7.3 | 102 | 1.2 | - | | | | | | | |
| 46 | 10.0 | 9.1 | | | | | | | | | | | |
| 47 | 9.9 | 9.1 | | | | | | | | | | | |
| 48 | 9.9 | 9.1 | | | | | | | | | | | |
| 49 | 9.8 | 9.1 | | | | | | | | | | | |
| 50 | 9.8 | 9.1 | 7.2 | 100 | 1.5 | - | | | | | | | |
| 55 | 10.6 | 9.4 | 7.2 | 96 | 0.6 | 48 | | | | | | | |
| 60 | 10.3 | 9.5 | 7.2 | 95 | 1.0 | - | | | | | | | |
| 65 | 9.7 | 9.5 | 7.2 | 94 | 0.6 | - | | | | | | | |

**SHASTA RESERVOIR
LIMNOLOGIC DATA**

Sta. A2L 048.5 222.8 Sacramento River Arm August 15, 1984 @ 1000 Hrs. Secchi 7.5m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| Surf. | 25.8 | 7.9 | 7.5 | 107 | 1.3 | 46 | 66 | 9.1 | 4.3 | | | | |
| 1 | 25.6 | 8.0 | | | | | 67 | 9.0 | 4.3 | | | | |
| 2 | 25.4 | 8.05 | | | | | 68 | 9.0 | 4.4 | | | | |
| 3 | 25.3 | 8.1 | 7.5 | 107 | 0.5 | - | 69 | 9.0 | 4.4 | | | | |
| 4 | 25.3 | 8.15 | | | | | 70 | 8.8 | 4.4 | 7.1 | 93 | 1.1 | - |
| 5 | 25.2 | 8.1 | | | | | 71 | 8.7 | 4.5 | | | | |
| 6 | 25.2 | 8.1 | 7.5 | 107 | 0.5 | - | 72 | 8.7 | 4.5 | | | | |
| 7 | 25.2 | 8.05 | | | | | 73 | 8.5 | 4.5 | | | | |
| 8 | 24.8 | 6.1 | | | | | 74 | 8.5 | 4.5 | | | | |
| 9 | 22.5 | 4.6 | 7.3 | 109 | 0.6 | 49 | 75 | 8.4 | 4.5 | 7.0 | 94 | 1.1 | - |
| 10 | 21.5 | 4.4 | | | | | 76 | 8.3 | 4.6 | | | | |
| 11 | 20.5 | 4.4 | | | | | 77 | 8.2 | 4.5 | | | | |
| 12 | 20.0 | 4.3 | 7.3 | 122 | 0.7 | - | 78 | 8.1 | 4.5 | | | | |
| 13 | 19.5 | 4.15 | | | | | 79 | 8.0 | 4.5 | | | | |
| 14 | 19.3 | 4.0 | | | | | 80 | 7.9 | 4.4 | 7.0 | 96 | 2.0 | 43 |
| 15 | 19.0 | 3.9 | 7.3 | 128 | 0.5 | 61 | 81 | 7.9 | 4.4 | | | | |
| 16 | 18.7 | 3.85 | | | | | 82 | 7.8 | 4.3 | | | | |
| 17 | 18.5 | 3.8 | | | | | 83 | 7.8 | 4.2 | | | | |
| 18 | 18.1 | 3.8 | 7.3 | 123 | 0.6 | - | 84 | 7.6 | 3.9 | | | | |
| 19 | 17.9 | 3.8 | | | | | 85 | 7.5 | 3.8 | 6.9 | 103 | 3.0 | - |
| 20 | 17.6 | 3.75 | | | | | 86 | 7.4 | 3.8 | | | | |
| 21 | 17.3 | 3.75 | 7.2 | 118 | 0.6 | - | 87 | 7.2 | 3.7 | | | | |
| 22 | 17.1 | 3.75 | | | | | 88 | 7.2 | 3.7 | | | | |
| 23 | 16.8 | 3.7 | | | | | 89 | 7.1 | 3.7 | | | | |
| 24 | 16.2 | 3.75 | 7.2 | 113 | 0.8 | 51 | 90 | 7.0 | 3.7 | 6.8 | 111 | 3.6 | - |
| 25 | 15.9 | 3.8 | | | | | 91 | 7.0 | 3.7 | | | | |
| 26 | 15.8 | 3.8 | | | | | 92 | 7.0 | 3.7 | 6.8 | 111 | 4.0 | 52 |
| 27 | 15.2 | 3.85 | 7.2 | 113 | 0.7 | - | 93 | 7.0 | 3.7 | | | | |
| 28 | 15.0 | 3.9 | | | | | 94 | 7.0 | 3.65 | Bottom | | | |
| 29 | 14.9 | 3.9 | | | | | | | | | | | |
| 30 | 14.5 | 4.0 | 7.2 | 111 | 0.7 | - | | | | | | | |
| 31 | 14.2 | 4.0 | | | | | | | | | | | |
| 32 | 13.9 | 4.05 | | | | | | | | | | | |
| 33 | 13.7 | 4.1 | | | | | | | | | | | |
| 34 | 13.5 | 4.1 | | | | | | | | | | | |
| 35 | 13.2 | 4.1 | 7.2 | 101 | 0.7 | 45 | | | | | | | |
| 36 | 12.9 | 4.1 | | | | | | | | | | | |
| 37 | 12.7 | 4.1 | | | | | | | | | | | |
| 38 | 12.5 | 4.1 | | | | | | | | | | | |
| 39 | 12.2 | 4.1 | | | | | | | | | | | |
| 40 | 12.0 | 4.2 | 7.2 | 99 | 1.1 | - | | | | | | | |
| 41 | 11.8 | 4.2 | | | | | | | | | | | |
| 42 | 11.8 | 4.2 | | | | | | | | | | | |
| 43 | 11.5 | 4.2 | | | | | | | | | | | |
| 44 | 11.5 | 4.2 | | | | | | | | | | | |
| 45 | 11.3 | 4.2 | 7.2 | 98 | 1.0 | - | | | | | | | |
| 46 | 11.2 | 4.2 | | | | | | | | | | | |
| 47 | 11.0 | 4.2 | | | | | | | | | | | |
| 48 | 10.8 | 4.2 | | | | | | | | | | | |
| 49 | 10.8 | 4.2 | | | | | | | | | | | |
| 50 | 10.7 | 4.2 | 7.2 | 96 | 1.0 | 43 | | | | | | | |
| 51 | 10.7 | 4.2 | | | | | | | | | | | |
| 52 | 10.5 | 4.2 | | | | | | | | | | | |
| 53 | 10.3 | 4.2 | | | | | | | | | | | |
| 54 | 10.2 | 4.2 | | | | | | | | | | | |
| 55 | 10.2 | 4.3 | 7.1 | 96 | 0.8 | - | | | | | | | |
| 56 | 10.1 | 4.3 | | | | | | | | | | | |
| 57 | 10.0 | 4.2 | | | | | | | | | | | |
| 58 | 9.9 | 4.2 | | | | | | | | | | | |
| 59 | 9.8 | 4.3 | | | | | | | | | | | |
| 60 | 9.7 | 4.3 | 7.1 | 96 | 1.3 | - | | | | | | | |
| 61 | 9.6 | 4.3 | | | | | | | | | | | |
| 62 | 9.5 | 4.3 | | | | | | | | | | | |
| 63 | 9.4 | 4.3 | | | | | | | | | | | |
| 64 | 9.2 | 4.3 | | | | | | | | | | | |
| 65 | 9.1 | 4.3 | 7.1 | 94 | 1.0 | 41 | | | | | | | |

SHASTA RESERVOIR
LIMNOLOGIC DATA

Sta. A2L 048.5 222.8 Sacramento River Arm September 10, 1964 @ 1100 Hrs. Secchi 6.0m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| Surf. | 23.9 | 8.1 | 7.6 | 116 | 0.5 | 48 | 66 | 9.4 | 5.3 | | | | |
| 1 | 23.8 | 8.0 | | | | | 67 | 9.3 | 5.3 | | | | |
| 2 | 23.6 | 8.0 | | | | | 68 | 9.1 | 5.3 | | | | |
| 3 | 23.3 | 7.9 | 7.6 | 116 | 0.5 | - | 69 | 9.0 | 5.4 | | | | |
| 4 | 23.2 | 7.9 | | | | | 70 | 9.0 | 5.4 | 7.0 | 102 | 1.1 | 44 |
| 5 | 23.1 | 7.8 | | | | | 71 | 8.9 | 5.4 | | | | |
| 6 | 23.1 | 7.8 | 7.6 | 117 | 0.4 | - | 72 | 8.8 | 5.4 | | | | |
| 7 | 23.1 | 7.8 | | | | | 73 | 8.7 | 5.4 | | | | |
| 8 | 23.1 | 7.7 | | | | | 74 | 8.6 | 5.4 | | | | |
| 9 | 23.1 | 7.7 | 7.6 | 117 | 0.6 | 49 | 75 | 8.5 | 5.5 | 7.0 | 102 | 1.0 | - |
| 10 | 22.4 | 7.2 | | | | | 76 | 8.3 | 5.4 | | | | |
| 1 | 20.8 | 5.6 | | | | | 77 | 8.2 | 5.3 | | | | |
| 2 | 20.2 | 5.7 | 7.2 | 126 | 0.4 | - | 78 | 8.1 | 5.3 | | | | |
| 3 | 19.7 | 5.4 | | | | | 79 | 8.0 | 5.2 | | | | |
| 4 | 19.1 | 5.3 | | | | | 80 | 8.0 | 5.1 | 7.0 | 106 | 1.8 | 44 |
| 5 | 18.9 | 5.3 | 7.2 | 133 | 0.5 | - | 81 | 7.9 | 4.9 | | | | |
| 6 | 18.8 | 5.3 | | | | | 82 | 7.8 | 4.6 | | | | |
| 7 | 18.5 | 5.4 | | | | | 83 | 7.8 | 4.5 | | | | |
| 8 | 18.3 | 5.5 | 7.2 | 135 | 0.5 | 60 | 84 | 7.7 | 4.2 | | | | |
| 9 | 18.2 | 5.6 | | | | | 85 | 7.5 | 4.0 | 6.9 | 114 | 3.3 | - |
| 10 | 18.0 | 5.7 | | | | | 86 | 7.3 | 4.0 | | | | |
| 1 | 18.0 | 5.7 | 7.2 | 135 | 0.5 | - | 87 | 7.1 | 4.0 | | | | |
| 2 | 17.9 | 5.8 | | | | | 88 | 7.0 | 4.0 | | | | |
| 3 | 17.7 | 5.8 | | | | | 89 | 7.0 | 3.9 | | | | |
| 4 | 17.4 | 5.9 | 7.2 | 135 | 0.5 | - | 90 | 7.0 | 3.9 | 6.9 | 119 | 4.7 | 47 |
| 5 | 17.1 | 5.9 | | | | | 91 | 7.0 | 3.8 | | | | |
| 6 | 16.9 | 6.0 | | | | | 92 | 7.0 | 3.8 | | | | |
| 7 | 16.8 | 6.0 | 7.2 | 136 | 0.7 | 55 | 92.5 | - | - | Bottom | | | |
| 8 | 16.5 | 6.1 | | | | | | | | | | | |
| 9 | 16.3 | 6.1 | | | | | | | | | | | |
| 10 | 16.0 | 6.1 | 7.2 | 120 | 0.7 | - | | | | | | | |
| 1 | 15.8 | 6.3 | | | | | | | | | | | |
| 2 | 15.4 | 6.4 | | | | | | | | | | | |
| 3 | 15.3 | 6.4 | | | | | | | | | | | |
| 4 | 15.1 | 6.4 | | | | | | | | | | | |
| 5 | 14.8 | 6.5 | 7.2 | 117 | 0.9 | - | | | | | | | |
| 6 | 14.3 | 6.6 | | | | | | | | | | | |
| 7 | 14.0 | 6.7 | | | | | | | | | | | |
| 8 | 13.8 | 6.8 | | | | | | | | | | | |
| 9 | 13.7 | 6.7 | | | | | | | | | | | |
| 10 | 13.7 | 6.8 | 7.2 | 110 | 0.8 | 48 | | | | | | | |
| 1 | 13.6 | 6.8 | | | | | | | | | | | |
| 2 | 13.2 | 6.7 | | | | | | | | | | | |
| 3 | 12.9 | 6.8 | | | | | | | | | | | |
| 4 | 12.7 | 6.8 | | | | | | | | | | | |
| 5 | 12.5 | 6.8 | 7.2 | 107 | 0.9 | - | | | | | | | |
| 6 | 12.3 | 6.7 | | | | | | | | | | | |
| 7 | 12.1 | 6.7 | | | | | | | | | | | |
| 8 | 12.0 | 6.7 | | | | | | | | | | | |
| 9 | 11.9 | 6.6 | | | | | | | | | | | |
| 10 | 11.7 | 6.6 | 7.2 | 105 | 0.9 | - | | | | | | | |
| 1 | 11.6 | 6.6 | | | | | | | | | | | |
| 2 | 11.5 | 6.5 | | | | | | | | | | | |
| 3 | 11.3 | 6.3 | | | | | | | | | | | |
| 4 | 11.1 | 6.3 | | | | | | | | | | | |
| 5 | 10.9 | 6.2 | 7.1 | 104 | 0.9 | 42 | | | | | | | |
| 6 | 10.8 | 6.1 | | | | | | | | | | | |
| 7 | 10.7 | 6.0 | | | | | | | | | | | |
| 8 | 10.6 | 5.8 | | | | | | | | | | | |
| 9 | 10.4 | 5.8 | | | | | | | | | | | |
| 10 | 10.2 | 5.7 | 7.1 | 103 | 0.7 | - | | | | | | | |
| 1 | 10.1 | 5.5 | | | | | | | | | | | |
| 2 | 10.0 | 5.3 | | | | | | | | | | | |
| 3 | 9.9 | 5.3 | | | | | | | | | | | |
| 4 | 9.8 | 5.3 | | | | | | | | | | | |
| 5 | 9.6 | 5.3 | 7.0 | 102 | 0.9 | - | | | | | | | |

**SHASTA RESERVOIR
LIMNOLOGIC DATA**

Sta. A2L 048.5 222.8 Sacramento River Arm October 18, 1984 @ 0830 Hrs. Secchi 5.2m

| Depth(m) | Temp.(°C) | D.O. | pH | E.C. | Turb. | Alk. | Depth(m) | Temp.(°C) | D.O. | pH | E.C. | turb. | Alk. |
|----------|-----------|------|-----|------|-------|------|----------|-----------|------|--------|------|-------|------|
| Surf. | 16.5 | 8.1 | 7.3 | 127 | 0.7 | 58 | 66 | 10.0 | 4.5 | | | | |
| 1 | 16.5 | 8.1 | | | | | 67 | 9.9 | 4.4 | | | | |
| 2 | 16.5 | 8.2 | | | | | 68 | 9.6 | 4.5 | | | | |
| 3 | 16.5 | 8.2 | 7.3 | 125 | 1.0 | - | 69 | 9.3 | 4.7 | | | | |
| 4 | 16.5 | 8.2 | | | | | 70 | 9.2 | 4.7 | 6.9 | 109 | 1.1 | 44 |
| 5 | 16.5 | 8.2 | | | | | 71 | 9.0 | 4.8 | | | | |
| 6 | 16.5 | 8.2 | 7.3 | 126 | 0.9 | - | 72 | 8.9 | 4.8 | | | | |
| 7 | 16.5 | 8.1 | | | | | 73 | 8.6 | 4.8 | | | | |
| 8 | 16.5 | 8.0 | | | | | 74 | 8.4 | 4.9 | | | | |
| 9 | 16.5 | 8.0 | 7.3 | 125 | 0.9 | 56 | 75 | 8.2 | 4.9 | 6.9 | 109 | 1.3 | - |
| 10 | 16.5 | 8.0 | | | | | 76 | 8.0 | 5.1 | | | | |
| 11 | 16.5 | 7.9 | | | | | 77 | 8.0 | 5.1 | | | | |
| 12 | 16.5 | 7.9 | 7.3 | 124 | 0.7 | - | 78 | 7.9 | 5.2 | | | | |
| 13 | 16.5 | 7.9 | | | | | 79 | 7.8 | 5.2 | | | | |
| 14 | 16.5 | 7.9 | | | | | 80 | 7.6 | 5.2 | 6.9 | 112 | 2.0 | - |
| 15 | 16.5 | 7.9 | 7.3 | 126 | 0.8 | - | 81 | 7.4 | 5.0 | | | | |
| 16 | 16.5 | 7.8 | | | | | 82 | 7.3 | 4.8 | | | | |
| 17 | 16.5 | 7.8 | | | | | 83 | 7.2 | 4.6 | | | | |
| 18 | 16.5 | 7.7 | 7.3 | 125 | 0.8 | 57 | 84 | 7.0 | 4.5 | | | | |
| 19 | 16.5 | 7.7 | | | | | 85 | 6.9 | 4.3 | 6.8 | 119 | 3.2 | 48 |
| 20 | 16.5 | 7.7 | | | | | 86 | 6.8 | 4.1 | <6.8 | 133 | 1.0 | 56 |
| 21 | 16.5 | 7.6 | 7.3 | 124 | 0.6 | - | 87 | 6.7 | 4.0 | | | | |
| 22 | 16.5 | 7.6 | | | | | 88 | 6.6 | 3.8 | | | | |
| 23 | 16.5 | 7.6 | | | | | 88.5 | - | - | Bottom | | | |
| 24 | 16.5 | 7.3 | 7.3 | 124 | 0.6 | - | | | | | | | |
| 25 | 16.4 | 7.2 | | | | | | | | | | | |
| 26 | 16.4 | 7.2 | | | | | | | | | | | |
| 27 | 16.4 | 6.7 | 7.3 | 123 | 1.0 | 57 | | | | | | | |
| 28 | 16.1 | 5.7 | | | | | | | | | | | |
| 29 | 15.9 | 5.7 | | | | | | | | | | | |
| 30 | 15.7 | 5.9 | 7.2 | 124 | 0.8 | - | | | | | | | |
| 31 | 15.5 | 5.9 | | | | | | | | | | | |
| 32 | 15.4 | 6.0 | | | | | | | | | | | |
| 33 | 15.2 | 5.8 | | | | | | | | | | | |
| 34 | 15.1 | 5.9 | | | | | | | | | | | |
| 35 | 15.0 | 5.9 | 7.1 | 122 | 1.0 | - | | | | | | | |
| 36 | 14.9 | 5.9 | | | | | | | | | | | |
| 37 | 14.8 | 5.9 | | | | | | | | | | | |
| 38 | 14.7 | 6.0 | | | | | | | | | | | |
| 39 | 14.5 | 6.0 | | | | | | | | | | | |
| 40 | 14.3 | 6.1 | 7.1 | 121 | 1.0 | 55 | | | | | | | |
| 41 | 14.2 | 6.2 | | | | | | | | | | | |
| 42 | 14.0 | 6.3 | | | | | | | | | | | |
| 43 | 13.9 | 6.4 | | | | | | | | | | | |
| 44 | 13.9 | 6.4 | | | | | | | | | | | |
| 45 | 13.8 | 6.3 | 7.1 | 120 | 1.0 | - | | | | | | | |
| 46 | 13.6 | 6.3 | | | | | | | | | | | |
| 47 | 13.5 | 6.3 | | | | | | | | | | | |
| 48 | 13.3 | 6.3 | | | | | | | | | | | |
| 49 | 13.2 | 6.3 | | | | | | | | | | | |
| 50 | 13.1 | 6.2 | 7.0 | 112 | 1.0 | - | | | | | | | |
| 51 | 12.9 | 6.1 | | | | | | | | | | | |
| 52 | 12.7 | 5.9 | | | | | | | | | | | |
| 53 | 12.5 | 5.9 | | | | | | | | | | | |
| 54 | 12.3 | 5.6 | | | | | | | | | | | |
| 55 | 12.2 | 5.5 | 7.0 | 102 | 1.0 | 50 | | | | | | | |
| 56 | 12.1 | 5.6 | | | | | | | | | | | |
| 57 | 11.9 | 5.7 | | | | | | | | | | | |
| 58 | 11.6 | 5.6 | | | | | | | | | | | |
| 59 | 11.4 | 5.4 | | | | | | | | | | | |
| 60 | 11.3 | 5.2 | 7.0 | 113 | 1.1 | - | | | | | | | |
| 61 | 11.1 | 5.0 | | | | | | | | | | | |
| 62 | 10.9 | 4.9 | | | | | | | | | | | |
| 63 | 10.7 | 4.9 | | | | | | | | | | | |
| 64 | 10.5 | 4.7 | | | | | | | | | | | |
| 65 | 10.2 | 4.6 | 7.0 | 109 | 1.0 | - | | | | | | | |

ATTACHMENT E

**CHEMICAL ANALYSES FROM SHASTA RESERVOIR
AND THE SACRAMENTO RIVER**

NUTRIENT ANALYSES OF SURFACE WATER

| DATE TIME | SAMP LAB | G.H. Q | TEMP DEPTH | F EC F PH | TURB F CO2 | FIELD P ALK T ALK | D NO2 + NO3 | D NO2 D NO3 | CONSTITUENTS IN MILLIGRAMS PER LITER | | | | | | D O-PO4 T O-PO4 | D TOT P T TOT P | REMARKS |
|--------------|-------------|------------------------------|---------------|--------------|---------------|-------------------------|----------------|----------------|--------------------------------------|----------------|------------------|----------------|------|----|--------------------|--------------------|---------|
| | | | | | | | | | D ORG N T ORG N | D NH3 T NH3 | T NH3 + ORG N | DIS A.H.P04 | | | | | |
| ***** | | | | | | | | | | | | | | | | | |
| AD 2100.00 | | SACRAMENTO R A SACTO | | | | | | A05A2 | | | | | | | | | |
| 04/28/83 | 5050 | | 11.1C | 80 | | | 0.07 | -- | -- | 0.02 | | -- | 0.01 | -- | | | |
| 1000 | 5050 | | | 7.2 | | | | -- | -- | -- | 0.1 | -- | -- | -- | | 0.06 | |
| 07/14/83 | 5050 | | 18.3C | 96 | 7AF | | 0.08 | -- | -- | 0.03 | | -- | 0.00 | -- | | | |
| 1040 | 5050 | | | 7.2 | | | | -- | -- | -- | 0.9 | -- | -- | -- | | 0.05 | |
| 08/16/83 | 5050 | | 20.6C | 100 | 7AF | | 0.03 | -- | -- | 0.02 | | -- | 0.02 | -- | | | |
| 1000 | 5050 | | | 8.1 | | | | -- | -- | -- | 0.3 | -- | -- | -- | | 0.09 | |
| 09/20/83 | 5050 | | 18.9C | 98 | 12AF | | 0.07 | -- | -- | 0.00 | | -- | 0.01 | -- | | | |
| 1100 | 5050 | | | 7.3 | | | | -- | -- | -- | 0.2 | -- | -- | -- | | 0.05 | |
| 10/19/83 | 5050 | | 16.4C | 79 | 3AF | | 0.08 | -- | -- | 0.00 | | -- | 0.00 | -- | | | |
| 1100 | 5050 | | | 7.2 | | | | -- | -- | -- | 0.2 | -- | -- | -- | | 0.04 | |
| 11/29/83 | 5050 | | 11.1C | 58 | 17AF | | 0.07 | -- | -- | 0.01 | | -- | 0.00 | -- | | | |
| 1100 | 5050 | | | 7.6 | | | | -- | -- | -- | 0.1 | -- | -- | -- | | 0.03 | |
| 01/10/84 | 5050 | | 9.0C | 85 | 13AF | | 0.15 | -- | -- | 0.02 | | -- | 0.01 | -- | | | |
| 1100 | 5050 | | | 7.1 | | | | -- | -- | -- | 0.2 | -- | -- | -- | | 0.05 | |
| 02/22/84 | 5050 | | 49.0F | 75 | 7AF | | 0.10 | -- | -- | 0.01 | | -- | 0.01 | -- | | | |
| 1110 | 5050 | | | 7.1 | | | | -- | -- | -- | 0.2 | -- | -- | -- | | 0.03 | |
| 03/27/84 | 5050 | | 54.0F | 100 | | | 0.08 | -- | -- | 0.00 | | -- | 0.00 | -- | | | |
| 1325 | 5050 | | | 7.3 | | | | -- | -- | -- | 0.1 | -- | -- | -- | | 0.04 | |
| 05/01/84 | 5050 | | 56.0F | 112 | | | 0.10 | -- | -- | 0.02 | | -- | 0.02 | -- | | | |
| 1010 | 5050 | | | 7.4 | | | | -- | -- | -- | 0.2 | -- | -- | -- | | 0.06 | |
| AD 2112.00 | | SACRAMENTO R A ELKHORN FERRY | | | | | | A02B0 | | | | | | | | | |
| 06/16/83 | 5050 | | 18.0C | 110 | | | 0.10 | -- | -- | 0.01 | | -- | 0.02 | -- | | | |
| 1045 | 5050 | | | 7.1 | | | | -- | -- | -- | 0.3 | -- | -- | -- | | 0.06 | |
| 08/16/83 | 5050 | | 21.7C | 150 | 13AF | | 0.08 | -- | -- | 0.01 | | -- | 0.01 | -- | | | |
| 1045 | 5050 | | | 7.4 | | | | -- | -- | -- | 0.1 | -- | -- | -- | | 0.06 | |
| 09/20/83 | 5050 | | 18.9C | 175 | | | 0.12 | -- | -- | 0.01 | | -- | 0.01 | -- | | | |
| 1200 | 5050 | | | 7.4 | | | | -- | -- | -- | 0.4 | -- | -- | -- | | 0.06 | |

NUTRIENT ANALYSES OF SURFACE WATER

| DATE TIME | SAMP LAB | G.H. Q | TEMP DEPTH | F EC F PH | TURB F CO2 | FIELD | D NO2 + NO3 | D NO2 D NO3 | CONSTITUENTS IN MILLIGRAMS PER LITER | | | | | | | D O-PO4 T O-PO4 | D TOT P T TOT P | REN |
|--------------|-------------|-----------|------------------------------------|--------------|---------------|----------------|----------------|----------------|--------------------------------------|----------------|------------------|----------------|----|------|------|--------------------|--------------------|-----|
| | | | | | | P ALK T ALK | | | D ORG N T ORG N | D NH3 T NH3 | T NH3 + ORG N | DIS A.H.P04 | | | | | | |
| ***** | | | | | | | | | | | | | | | | | | |
| AO 2230.02 | | | SACRAMENTO R AB COLUSA BASIN DR | | | | | | A07A0 | | | | | | | | | |
| 04/20/83 | 5050 | 31.44 | 12.5C | 148 | 33AF | | 0.18 | -- | -- | -- | | | -- | 0.00 | -- | | | |
| 1010 | 5050 | | | 7.5 | | | | -- | -- | -- | 0.3 | | -- | -- | 0.08 | | | |
| 07/14/83 | 5050 | | 20.6C | 128 | | | 0.12 | -- | -- | 0.01 | | | -- | 0.01 | -- | | | |
| 1200 | 5050 | | | 7.4 | | | | -- | -- | -- | 0.2 | | -- | -- | 0.06 | | | |
| 09/16/83 | 5050 | | 21.7C | 130 | 12AF | | 0.08 | -- | -- | 0.00 | | | -- | 0.01 | -- | | | |
| 1130 | 5050 | | | 7.5 | | | | -- | -- | -- | 0.1 | | -- | -- | 0.05 | | | |
| 09/20/83 | 5050 | | 20.6C | 165 | | | 0.16 | -- | -- | 0.03 | | | -- | 0.01 | -- | | | |
| 1250 | 5050 | | | 7.4 | | | | -- | -- | -- | 0.7 | | -- | -- | 0.05 | | | |
| 10/19/83 | 5050 | | 15.3C | 137 | 3AF | | 0.17 | -- | -- | 0.01 | | | -- | 0.00 | -- | | | |
| 1220 | 5050 | | | 7.4 | | | | -- | -- | -- | 0.1 | | -- | -- | 0.04 | | | |
| 11/29/83 | 5050 | | 10.8C | 159 | 46AF | | 0.19 | -- | -- | 0.01 | | | -- | 0.02 | -- | | | |
| 1200 | 5050 | | | 7.3 | | | | -- | -- | -- | 0.4 | | -- | -- | 0.10 | | | |
| 01/10/84 | 5050 | | 48.0F | 158 | 23AF | | 0.27 | -- | -- | 0.00 | | | -- | 0.02 | -- | | | |
| 1130 | 5050 | | | 7.3 | | | | -- | -- | -- | 0.2 | | -- | -- | 0.10 | | | |
| 02/22/84 | 5050 | | 51.0F | 160 | 12AF | | 0.26 | -- | -- | 0.00 | | | -- | 0.01 | -- | | | |
| 1220 | 5050 | | | 7.3 | | | | -- | -- | -- | 0.2 | | -- | -- | 0.06 | | | |
| 03/27/84 | 5050 | | 56.0F | 150 | | | 0.15 | -- | -- | 0.01 | | | -- | 0.00 | -- | | | |
| 1230 | 5050 | | | 7.4 | | | | -- | -- | -- | 0.1 | | -- | -- | 0.07 | | | |
| 05/01/84 | 5050 | | 58.0F | 160 | | | 0.14 | -- | -- | 0.01 | | | -- | 0.01 | -- | | | |
| 1120 | 5050 | | | 7.5 | | | | -- | -- | -- | 0.6 | | -- | -- | 0.07 | | | |
| AO 2320.00 | | | SACRAMENTO R A R-D 70 PP NR GRIMES | | | | | | A07A0 | | | | | | | | | |
| 04/28/83 | 5050 | | 12.8C | 150 | | | 0.24 | -- | -- | 0.02 | | | -- | 0.01 | -- | | | |
| 1330 | 5050 | | | 7.3 | | | | -- | -- | -- | 0.2 | | -- | -- | 0.09 | | | |
| 07/14/83 | 5050 | | 20.0C | 115 | 12AF | | 0.08 | -- | -- | 0.00 | | | -- | 0.01 | -- | | | |
| 1245 | 5050 | | | 7.5 | | | | -- | -- | -- | 0.2 | | -- | -- | 0.02 | | | |
| 08/16/83 | 5050 | | 20.6C | 115 | 5AF | | 0.07 | -- | -- | 0.01 | | | -- | 0.01 | -- | | | |
| 1230 | 5050 | | | 7.4 | | | | -- | -- | -- | 0.1 | | -- | -- | 0.04 | | | |
| 09/20/83 | 5050 | | 18.9C | 135 | 7AF | | 0.16 | -- | -- | 0.02 | | | -- | 0.01 | -- | | | |
| 1345 | 5050 | | | 7.5 | | | | -- | -- | -- | 0.2 | | -- | -- | 0.04 | | | |
| 10/19/83 | 5050 | | 15.0C | 137 | 3AF | | 0.16 | -- | -- | 0.00 | | | -- | 0.01 | -- | | | |
| 1315 | 5050 | | | 7.3 | | | | -- | -- | -- | 0.1 | | -- | -- | 0.03 | | | |
| 11/29/83 | 5050 | | 10.6C | 147 | 38AF | | 0.17 | -- | -- | 0.00 | | | -- | 0.02 | -- | | | |
| 1300 | 5050 | | | 7.3 | | | | -- | -- | -- | 0.2 | | -- | -- | 0.13 | | | |

NUTRIENT ANALYSES OF SURFACE WATER

| DATE TIME | SAMP LAB | G.H. Q | TEMP DEPTH | F EC F PH | TURB F CO2 | FIELD P ALK T ALK | D NO2 + NO3 | D NO2 D NO3 | CONSTITUENTS IN MILLIGRAMS PER LITER | | | | | D O-PO4 T O-PO4 | D TOT P T TOT P | REN |
|--------------|-------------|-----------|------------------------------------|--------------|---------------|-------------------------|----------------|----------------|--------------------------------------|----------------|------------------|-----------------|------|--------------------|--------------------|-----|
| | | | | | | | | | D ORG N T ORG N | D NH3 T NH3 | T NH3 + ORG N | DIS A.H. PO4 | | | | |
| ***** | | | | | | | | | | | | | | | | |
| AO 2320.00 | | | SACRAMENTO R A R-D 70 PP NR GRINES | | | | | | A07A0 CONTINUED | | | | | | | |
| 02/22/84 | 5050 | | 51.0F | 153 | 12AF | | 0.25 | -- | -- | 0.00 | | -- | 0.01 | -- | | |
| 1305 | 5050 | | | 7.3 | | | | -- | -- | -- | 0.1 | -- | -- | 0.04 | | |
| 03/27/84 | 5050 | | 55.0F | 140 | | | 0.14 | -- | -- | 0.01 | | -- | 0.00 | -- | | |
| 1145 | 5050 | | | 7.4 | | | | -- | -- | -- | 0.1 | -- | -- | 0.06 | | |
| 05/01/84 | 5050 | | 58.0F | 150 | | | 0.14 | -- | -- | 0.00 | | -- | 0.01 | -- | | |
| 1200 | 5050 | | | 7.4 | | | | -- | -- | -- | 0.2 | -- | -- | 0.04 | | |
| AO 2500.00 | | | SACRAMENTO R A BUTTE CITY | | | | | | A07D0 | | | | | | | |
| 04/28/83 | 5050 | | 12.2C | 140 | | | 0.20 | -- | -- | 0.03 | | -- | 0.01 | -- | | |
| 1430 | 5050 | | | 7.3 | | | | -- | -- | -- | 0.4 | -- | -- | 0.22 | | |
| 01/10/84 | 5050 | | 49.0C | 130 | 20AF | | 0.23 | -- | -- | 0.00 | | -- | 0.01 | -- | | |
| 1215 | 5050 | | | 7.3 | | | | -- | -- | -- | 0.2 | -- | -- | 0.09 | | |
| AO 2630.00 | | | SACRAMENTO R A HAMILTON CITY | | | | | | A1380 | | | | | | | |
| 04/28/83 | 5050 | | 11.7C | 120 | | | 0.09 | -- | -- | 0.04 | | -- | 0.01 | -- | | |
| 1515 | 5050 | | | 7.3 | | | | -- | -- | -- | 0.4 | -- | -- | 0.18 | | |
| 05/16/83 | 5050 | | 17.2C | 108 | | | 0.10 | -- | -- | 0.02 | | -- | 0.00 | -- | | |
| 1445 | 5050 | | | 7.0 | | | | -- | -- | -- | 0.1 | -- | -- | 0.03 | | |
| 07/14/83 | 5050 | | 16.9C | 110 | | | 0.08 | -- | -- | 0.00 | | -- | 0.00 | -- | | |
| 1500 | 5050 | | | 7.4 | | | | -- | -- | -- | 0.4 | -- | -- | 0.03 | | |
| 08/16/83 | 5050 | | 17.2C | 105 | 3AF | | 0.06 | -- | -- | 0.01 | | -- | 0.01 | -- | | |
| 1430 | 5050 | | | 7.4 | | | | -- | -- | -- | 0.1 | -- | -- | 0.03 | | |
| 09/20/83 | 5050 | | 17.2C | 120 | | | 0.12 | -- | -- | 0.00 | | -- | 0.00 | -- | | |
| 1600 | 5050 | | | 7.5 | | | | -- | -- | -- | 0.2 | -- | -- | 0.03 | | |
| 10/19/83 | 5050 | | 14.4C | 119 | 2AF | | 0.12 | -- | -- | 0.00 | | -- | 0.01 | -- | | |
| 1530 | 5050 | | | 7.3 | | | | -- | -- | -- | 0.1 | -- | -- | 0.03 | | |
| 11/29/83 | 5050 | | 11.1C | 120 | 9AF | | 0.14 | -- | -- | 0.00 | | -- | 0.01 | -- | | |
| 1505 | 5050 | | | 7.3 | | | | -- | -- | -- | 0.1 | -- | -- | 0.04 | | |
| 01/10/84 | 5050 | | 48.0F | 124 | 12AF | | 0.18 | -- | -- | 0.00 | | -- | 0.01 | -- | | |
| 1415 | 5050 | | | 7.3 | | | | -- | -- | -- | 0.2 | -- | -- | 0.07 | | |
| 02/22/84 | 5050 | | 49.0F | 127 | 9AF | | 0.16 | -- | -- | 0.00 | | -- | 0.01 | -- | | |
| 1505 | 5050 | | | 7.2 | | | | -- | -- | -- | 0.2 | -- | -- | 0.04 | | |
| 03/27/84 | 5050 | | 51.5F | 135 | | | 0.12 | -- | -- | 0.00 | | -- | 0.01 | -- | | |
| 1000 | 5050 | | | 7.3 | | | | -- | -- | -- | 0.1 | -- | -- | 0.04 | | |

NUTRIENT ANALYSES OF SURFACE WATER

| DATE TIME | SAMP LAB | G.H. Q | TEMP DEPTH | F EC F PH | TURB F CO2 | FIELD P ALK T ALK | D NO2 + NO3 | D NO2 D NO3 | CONSTITUENTS IN MILLIGRAMS PER LITER | | | | | D D-PO4 T D-PO4 | D TOT P T TOT P | RE4 |
|--------------|-------------|-----------|------------------------------|--------------|---------------|-------------------------|----------------|-----------------|--------------------------------------|----------------|------------------|----------------|------|--------------------|--------------------|-----|
| | | | | | | | | | D ORG N T ORG N | D NH3 T NH3 | T NH3 + ORG N | DIS A.W.P04 | | | | |
| ***** | | | | | | | | | | | | | | | | |
| AO 2630.00 | | | SACRAMENTO R A HAMILTON CITY | | | | | A1380 CONTINUED | | | | | | | | |
| 05/01/84 | 5050 | | 57.0F | 130 | | | 0.11 | -- | -- | 0.00 | | -- | 0.01 | -- | | |
| 1410 | 5050 | | | 7.4 | | | | -- | -- | -- | 0.4 | -- | -- | 0.04 | | |
| AO 2731.00 | | | SACRAMENTO R A TEHAMA | | | | | A1380 | | | | | | | | |
| 04/28/83 | 5050 | | 11.7C | 125 | | | 0.08 | -- | -- | 0.03 | | -- | 0.01 | -- | | |
| 1630 | 5050 | | | 7.3 | | | | -- | -- | -- | 0.4 | -- | -- | 0.23 | | |
| 07/14/83 | 5050 | | 16.1C | 115 | 5AF | | 0.08 | -- | -- | 0.04 | | -- | 0.00 | -- | | |
| 1630 | 5050 | | | 7.4 | | | | -- | -- | -- | 0.2 | -- | -- | 0.03 | | |
| 08/16/83 | 5050 | | 16.7C | 105 | 3AF | | 0.05 | -- | -- | 0.00 | | -- | 0.01 | -- | | |
| 1600 | 5050 | | | 7.5 | | | | -- | -- | -- | 0.1 | -- | -- | 0.03 | | |
| 09/20/83 | 5050 | | 16.1C | 117 | 2AF | | 0.10 | -- | -- | 0.04 | | -- | 0.01 | -- | | |
| 1730 | 5050 | | | 7.6 | | | | -- | -- | -- | 0.1 | -- | -- | 0.03 | | |
| 10/19/83 | 5050 | | 14.7C | 112 | 2AF | | 0.08 | -- | -- | 0.00 | | -- | 0.01 | -- | | |
| 1700 | 5050 | | | 7.3 | | | | -- | -- | -- | 0.1 | -- | -- | 0.03 | | |
| 12/01/83 | 5050 | | 11.9C | 123 | 5AF | | 0.12 | -- | -- | 0.01 | | -- | 0.01 | -- | | |
| 0915 | 5050 | | | 7.2 | | | | -- | -- | -- | 0.1 | -- | -- | 0.03 | | |
| 01/10/84 | 5050 | | 48.0F | 125 | 11AF | | 0.16 | -- | -- | 0.00 | | -- | 0.01 | -- | | |
| 1145 | 5050 | | | 7.2 | | | | -- | -- | -- | 0.1 | -- | -- | 0.04 | | |
| 02/23/84 | 5050 | | 45.0F | 140 | 6AF | | 0.16 | -- | -- | 0.00 | | -- | 0.01 | -- | | |
| 0830 | 5050 | | | 7.3 | | | | -- | -- | -- | 0.2 | -- | -- | 0.03 | | |
| 03/27/84 | 5050 | | 51.0F | 137 | | | 0.10 | -- | -- | 0.00 | | -- | 0.01 | -- | | |
| 0820 | 5050 | | | 7.4 | | | | -- | -- | -- | 0.1 | -- | -- | 0.04 | | |
| 05/04/84 | 5050 | | 54.5F | 138 | | | 0.10 | -- | -- | 0.01 | | -- | 0.02 | -- | | |
| 0815 | 5050 | | | 7.4 | | | | -- | -- | -- | 0.2 | -- | -- | 0.04 | | |
| AO 2785.00 | | | SACRAMENTO R A BEND BR | | | | | A17A0 | | | | | | | | |
| 05/11/83 | 5050 | 25.87 | 10.0C | 106 | 12AF | | 0.04 | -- | -- | -- | | -- | 0.00 | -- | | |
| 0825 | 5050 | | | 7.3 | | | | -- | -- | -- | 0.1 | -- | -- | 0.04 | | |
| 05/11/83 | 5050 | | 10.0C | 115 | | | 0.05 | -- | -- | 0.02 | | -- | 0.00 | -- | | |
| 1100 | 5050 | | | 7.2 | | | | -- | -- | -- | 0.1 | -- | -- | 0.04 | | |
| 07/15/83 | 5050 | | 12.8C | 103 | 4AF | | 0.05 | -- | -- | 0.02 | | -- | 0.01 | -- | | |
| 0915 | 5050 | | | 7.3 | | | | -- | -- | -- | 0.1 | -- | -- | 0.03 | | |
| 08/17/83 | 5050 | | 13.1C | 100 | 3AF | | 0.06 | -- | -- | 0.02 | | -- | 0.00 | -- | | |
| 0845 | 5050 | | | 7.2 | | | | -- | -- | -- | 0.1 | -- | -- | 0.02 | | |

NUTRIENT ANALYSES OF SURFACE WATER

| DATE TIME | SAMP LAB | G.H. Q | TEMP DEPTH | F EC F PH | TURB F CO2 | FIELD | D NO2 + NO3 | D NO2 D NO3 | CONSTITUENTS IN MILLIGRAMS PER LITER | | | | | D O-PO4 T O-PO4 | D TOT P T TOT P | RE4 |
|--------------|-------------|-----------|----------------------------|--------------|---------------|----------------|----------------|-----------------|--------------------------------------|----------------|------------------|----------------|------|--------------------|--------------------|-----|
| | | | | | | P ALK T ALK | | | D ORG N T ORG N | D NH3 T NH3 | T NH3 + ORG N | DIS A.H.PO4 | | | | |
| ***** | | | | | | | | | | | | | | | | |
| AD 2785.00 | | | SACRAMENTO R A BEND BR | | | | | A17A0 CONTINUED | | | | | | | | |
| 09/21/83 | 5050 | | 12.8C | 105 | 2AF | | 0.05 | -- | -- | 0.00 | | -- | 0.00 | -- | | |
| 0840 | 5050 | | | 7.3 | | | | -- | -- | -- | 0.1 | -- | -- | 0.03 | | |
| 10/20/83 | 5050 | | 13.3C | 100 | 3AF | | 0.04 | -- | -- | 0.01 | | -- | 0.01 | -- | | |
| 1400 | 5050 | | | 7.3 | | | | -- | -- | -- | 0.1 | -- | -- | 0.03 | | |
| 11/30/83 | 5050 | | 12.2C | 122 | 4AF | | 0.10 | -- | -- | 0.00 | | -- | 0.01 | -- | | |
| 1430 | 5050 | | | 7.2 | | | | -- | -- | -- | 0.1 | -- | -- | 0.03 | | |
| 01/11/84 | 5050 | | 47.0F | 110 | 9AF | | 0.11 | -- | -- | 0.01 | | -- | 0.01 | -- | | |
| 1015 | 5050 | | | 7.1 | | | | -- | -- | -- | 0.1 | -- | -- | 0.05 | | |
| 02/23/84 | 5050 | | 47.0F | 120 | 6AF | | 0.10 | -- | -- | 0.00 | | -- | 0.01 | -- | | |
| 1130 | 5050 | | | 7.2 | | | | -- | -- | -- | 0.1 | -- | -- | 0.03 | | |
| 03/28/84 | 5050 | | 51.0F | 110 | | | 0.07 | -- | -- | 0.01 | | -- | 0.00 | -- | | |
| 1030 | 5050 | | | 7.3 | | | | -- | -- | -- | 0.1 | -- | -- | 0.03 | | |
| 05/02/84 | 5050 | | 51.5F | 127 | | | 0.08 | -- | -- | 0.00 | | -- | 0.02 | -- | | |
| 1215 | 5050 | | | 7.4 | | | | -- | -- | -- | 0.2 | -- | -- | 0.04 | | |
| AD 2815.00 | | | SACRAMENTO R A BALLS FERRY | | | | | A17A0 | | | | | | | | |
| 04/29/83 | 5050 | | 11.1C | 90 | | | 0.03 | -- | -- | 0.00 | | -- | 0.00 | -- | | |
| 1130 | 5050 | | | 7.0 | | | | -- | -- | -- | 0.1 | -- | -- | 0.04 | | |
| 07/15/83 | 5050 | | 12.2C | 98 | 4AF | | 0.05 | -- | -- | 0.02 | | -- | 0.00 | -- | | |
| 1030 | 5050 | | | 7.3 | | | | -- | -- | -- | 0.2 | -- | -- | 0.02 | | |
| 09/18/83 | 5050 | | 12.2C | 100 | 2AF | | 0.05 | -- | -- | 0.10 | | -- | 0.01 | -- | | |
| 1245 | 5050 | | | 7.3 | | | | -- | -- | -- | 0.4 | -- | -- | 0.03 | | |
| 09/21/83 | 5050 | | 13.3C | 99 | 2AF | | 0.06 | -- | -- | 0.00 | | -- | 0.00 | -- | | |
| 1000 | 5050 | | | 7.2 | | | | -- | -- | -- | 0.1 | -- | -- | 0.02 | | |
| 10/20/83 | 5050 | | 13.3C | 98 | 3AF | | 0.04 | -- | -- | 0.01 | | -- | 0.01 | -- | | |
| 1245 | 5050 | | | 7.3 | | | | -- | -- | -- | 0.1 | -- | -- | 0.03 | | |
| 12/01/83 | 5050 | | 12.2C | 118 | 3AF | | 0.09 | -- | -- | 0.00 | | -- | 0.01 | -- | | |
| 1330 | 5050 | | | 7.2 | | | | -- | -- | -- | 0.1 | -- | -- | 0.03 | | |
| 01/11/84 | 5050 | | 48.0F | 109 | 8AF | | 0.09 | -- | -- | 0.01 | | -- | 0.02 | -- | | |
| 1030 | 5050 | | | 7.2 | | | | -- | -- | -- | 0.1 | -- | -- | 0.04 | | |
| 03/05/84 | 5050 | | 51.0F | 130 | 5AF | | 0.19 | -- | -- | 0.00 | | -- | 0.02 | -- | | |
| 1325 | 5050 | | | 7.3 | | | | -- | -- | -- | 0.2 | -- | -- | 0.04 | | |
| 03/28/84 | 5050 | | 50.0F | 119 | | | 0.17 | -- | -- | 0.00 | | -- | 0.00 | -- | | |
| 1200 | 5050 | | | 7.3 | | | | -- | -- | -- | 0.1 | -- | -- | 0.03 | | |

NUTRIENT ANALYSES OF SURFACE WATER

| DATE TIME | SAMP LAB | G.H. Q | TEMP DEPTH | F EC F PH | TURB F CO2 | FIELD P ALK T ALK | D NO2 + NO3 | D NO2 D NO3 | CONSTITUENTS IN MILLIGRAMS PER LITER | | | | | | D O-PO4 T O-PO4 | D TOT P T TOT P | RE4 |
|------------------|-------------|-----------|-----------------------|--------------|---------------|-------------------------|----------------|----------------|--------------------------------------|----------------|------------------|----------------|---------|---------|--------------------|--------------------|-----|
| * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | D ORG N T ORG N | D NH3 T NH3 | T NH3 + ORG N | DIS A.M.P04 | * * * * | * * * * | * * * * | * * * * | |
| A1 1020.00 | | | PIT R NR MONTGOMERY C | | | | | | A2080 CONTINUED | | | | | | | | |
| 09/19/84 | 5050 | | 60.0F | 145 | 1AF | | 0.04 | -- | -- | 0.03 | | -- | 0.02 | -- | | | |
| 0830 | 5050 | | | 7.8 | | | | -- | -- | -- | 0.1 | -- | -- | | 0.05 | | |
| 10/24/84 | 5050 | | 50.5F | 120 | 2AF | | 0.08 | -- | -- | 0.02 | | -- | 0.02 | -- | | | |
| 0900 | 5050 | | | 7.3 | | | | -- | -- | -- | 0.1 | -- | -- | | 0.05 | | |
| A2 L 043.2 225.0 | | | SHASTA LK A DM | | | | | | A24AD | | | | | | | | |
| 05/18/83 | 5050 | | 15.0C | | | | 0.02 | -- | -- | 0.01 | | -- | 0.00 | -- | | | |
| 0700 | 5050 | | 0 | 7.4 | | | | -- | -- | -- | 0.1 | -- | -- | | 0.02 | | |
| 05/18/83 | 5050 | | 6.9C | | | | 0.10 | -- | -- | 0.02 | | -- | 0.02 | -- | | | |
| 0710 | 5050 | | 427 | 7.2 | | | | -- | -- | -- | 0.2 | -- | -- | | 0.04 | | |
| 06/23/83 | 5050 | | 21.5C | | | | 0.02 | -- | -- | 0.00 | | -- | 0.00 | -- | | | |
| 0830 | 5050 | | 0 | 7.5 | | | | -- | -- | -- | 0.1 | -- | -- | | 0.01 | | |
| 06/23/83 | 5050 | | | | | | 0.11 | -- | -- | 0.01 | | -- | 0.02 | -- | | | |
| 0840 | 5050 | | 469 | 7.1 | | | | -- | -- | -- | 0.1 | -- | -- | | 0.04 | | |
| 07/29/83 | 5050 | | 23.5C | 85 | | | 0.01 | -- | -- | 0.00 | | -- | 0.00 | -- | | | |
| 0830 | 5050 | | 0 | 7.6 | | | | -- | -- | -- | 0.2 | -- | -- | | 0.01 | | |
| 07/29/83 | 5050 | | | 100 | | | 0.12 | -- | -- | 0.02 | | -- | 0.01 | -- | | | |
| 0840 | 5050 | | 486 | 7.3 | | | | -- | -- | -- | 0.1 | -- | -- | | 0.04 | | |
| 08/26/83 | 5050 | | | 106 | 11AF | | 0.11 | -- | -- | 0.00 | | -- | 0.01 | -- | | | |
| 0810 | 5050 | | 472 | 7.1 | | | | -- | -- | -- | 0.2 | -- | -- | | 0.04 | | |
| 09/27/83 | 5050 | | 20.5C | | | | 0.02 | -- | -- | 0.00 | | -- | 0.00 | -- | | | |
| 0900 | 5050 | | 0 | 7.6 | | | | -- | -- | -- | 0.1 | -- | -- | | 0.01 | | |
| 09/27/83 | 5050 | | | | | | 0.12 | -- | -- | 0.00 | | -- | 0.01 | -- | | | |
| 0910 | 5050 | | 459 | 7.0 | | | | -- | -- | -- | 0.2 | -- | -- | | 0.04 | | |
| 12/21/83 | 5050 | | 11.9C | | | | 0.06 | -- | -- | 0.02 | | -- | 0.02 | -- | | | |
| 0945 | 5050 | | 0 | 7.3 | | | | -- | -- | -- | 0.2 | -- | -- | | 0.02 | | |
| 12/21/83 | 5050 | | 8.6C | | | | 0.11 | -- | -- | 0.01 | | -- | 0.02 | -- | | | |
| 0955 | 5050 | | 427 | 6.9 | | | | -- | -- | -- | 0.1 | -- | -- | | 0.04 | | |
| 01/26/84 | 5050 | | 9.5C | 96 | 1AF | | 0.06 | -- | -- | 0.00 | | -- | 0.01 | -- | | | |
| 0915 | 5050 | | 0 | 7.2 | | | | -- | -- | -- | 0.1 | -- | -- | | 0.02 | | |
| 01/26/84 | 5050 | | 45.5F | 114 | 9AF | | 0.08 | -- | -- | 0.01 | | -- | 0.02 | -- | | | |
| 0915 | 5050 | | 426 | 7.2 | | | | -- | -- | -- | 0.5 | -- | -- | | 0.05 | | |
| 03/01/84 | 5050 | | 9.2C | 96 | 2AF | | 0.02 | -- | -- | 0.00 | | -- | 0.00 | -- | | | |
| 0930 | 5050 | | 0 | 7.4 | | | | -- | -- | -- | 0.1 | -- | -- | | 0.02 | | |

NUTRIENT ANALYSES OF SURFACE WATER

| DATE TIME | SAMP LAB | G.H. Q | TEMP DEPTH | F EC F PH | TURB F CD2 | FIELD P ALK T ALK | D NO2 + NO3 | D NO2 D NO3 | CONSTITUENTS IN MILLIGRAMS PER LITER | | | | | | | D O-PO4 T O-PO4 | D TOT P T TOT P | REN |
|------------------|-------------|-----------|----------------|--------------|---------------|-------------------------|----------------|----------------|--------------------------------------|----------------|------------------|----------------|---------|---------|---------|--------------------|--------------------|-----|
| * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | D ORG N T ORG N | D NH3 T NH3 | T NH3 + ORG N | DIS A.H.P04 | * * * * | * * * * | * * * * | * * * | | |
| A2 L 043.2 225.0 | | | SHASTA LK A DM | | | | | | | | | | | | | A24A0 CONTINUED | | |
| 03/01/84 | 5050 | | 8.0C | 118 | 7AF | | 0.11 | -- | -- | 0.00 | | -- | 0.01 | -- | | | | |
| 0930 | 5050 | | 466 | 7.2 | | | | -- | -- | -- | | 0.1 | -- | -- | 0.03 | | | |
| 04/05/84 | 5050 | | 11.7C | 99 | | | 0.01 | -- | -- | 0.01 | | -- | 0.00 | -- | | | | |
| 0900 | 5050 | | 0 | 7.7 | | | | -- | -- | -- | | 0.1 | -- | -- | 0.01 | | | |
| 04/05/84 | 5050 | | 9.0C | 128 | | | 0.12 | -- | -- | 0.01 | | -- | 0.01 | -- | | | | |
| 0900 | 5050 | | 479 | 7.3 | | | | -- | -- | -- | | 0.1 | -- | -- | 0.04 | | | |
| 05/11/84 | 5050 | | 15.3C | 94 | | | 0.00 | -- | -- | 0.01 | | -- | 0.00 | -- | | | | |
| 0800 | 5050 | | 0 | 7.7 | | | | -- | -- | -- | | 0.1 | -- | -- | 0.01 | | | |
| 05/11/84 | 5050 | | 8.5C | 119 | | | 0.13 | -- | -- | 0.00 | | -- | 0.02 | -- | | | | |
| 0800 | 5050 | | 489 | 7.3 | | | | -- | -- | -- | | 0.1 | -- | -- | 0.04 | | | |
| 06/12/84 | 5050 | | 19.0C | 100 | | | 0.00 | -- | -- | 0.00 | | -- | 0.00 | -- | | | | |
| 0830 | 5050 | | 000 | 7.7 | | | | -- | -- | -- | | 0.1 | -- | -- | 0.01 | | | |
| 06/12/84 | 5050 | | 48.0F | 125 | | | 0.14 | -- | -- | 0.01 | | -- | 0.02 | -- | | | | |
| 0830 | 5050 | | 479 | 7.2 | | | | -- | -- | -- | | 0.1 | -- | -- | 0.04 | | | |
| 07/19/84 | 5050 | | 27.2C | 105 | | | 0.00 | -- | -- | 0.00 | | -- | 0.00 | -- | | | | |
| 0900 | 5050 | | 0 | 7.7 | | | | -- | -- | -- | | 0.0 | -- | -- | 0.01 | | | |
| 07/19/84 | 5050 | | 49.0F | 128 | | | 0.14 | -- | -- | 0.01 | | -- | 0.02 | -- | | | | |
| 0900 | 5050 | | 459 | 7.2 | | | | -- | -- | -- | | 0.1 | -- | -- | 0.04 | | | |
| 08/16/84 | 5050 | | 25.0C | | | | 0.01 | -- | -- | 0.00 | | -- | 0.00 | -- | | | | |
| 0830 | 5050 | | 0 | 7.8 | | | | -- | -- | -- | | 0.0 | -- | -- | 0.01 | | | |
| 08/16/84 | 5050 | | 48.0F | | | | 0.14 | -- | -- | 0.00 | | -- | 0.02 | -- | | | | |
| 0830 | 5050 | | 443 | 7.1 | | | | -- | -- | -- | | 0.0 | -- | -- | 0.05 | | | |
| 09/14/84 | 5050 | | 22.5C | 114 | 1AF | | 0.01 | -- | -- | 0.01 | | -- | 0.00 | -- | | | | |
| 0800 | 5050 | | 0 | 7.6 | | | | -- | -- | -- | | 0.1 | -- | -- | 0.00 | | | |
| 09/14/84 | 5050 | | 6.9C | 131 | 6AF | | 0.16 | -- | -- | 0.02 | | -- | 0.02 | -- | | | | |
| 0800 | 5050 | | 426 | 7.0 | | | | -- | -- | -- | | 0.1 | -- | -- | 0.03 | | | |
| 10/24/84 | 5050 | | 16.4C | | 1AF | | 0.03 | -- | -- | 0.01 | | -- | 0.02 | -- | | | | |
| 0930 | 5050 | | 0 | 7.4 | | | | -- | -- | -- | | 0.1 | -- | -- | 0.02 | | | |
| 10/24/84 | 5050 | | | | 7AF | | 0.16 | -- | -- | 0.01 | | -- | 0.02 | -- | | | | |
| 0930 | 5050 | | 426 | 7.0 | | | | -- | -- | -- | | 0.1 | -- | -- | 0.04 | | | |

NUTRIENT ANALYSES OF SURFACE WATER

| DATE TIME | SAMP LAB | G.H. Q | TEMP DEPTH | F EC F PH | TURB F CO2 | FIELD P ALK T ALK | D NO2 + NO3 | D NO2 D NO3 | CONSTITUENTS IN MILLIGRAMS PER LITER | | | | D O-PO4 T O-PO4 | D TOT P T TOT P | REY |
|---|-------------|-----------|---------------|--------------|---------------|-------------------------|----------------|----------------|--------------------------------------|----------------|------------------|----------------|--------------------|--------------------|-----|
| | | | | | | | | | D ORG N T ORG N | D NH3 T NH3 | T NH3 + ORG N | DIS A.H.PO4 | | | |
| ***** | | | | | | | | | | | | | | | |
| A2 L 044.3 227.3 SHASTA LK A LITTLE SQUAW C INLET A20A0 | | | | | | | | | | | | | | | |
| 05/12/83 | 5050 | | 14.0C | | | | 0.06 | -- | -- | 0.01 | | -- | 0.00 | -- | |
| 1415 | 5050 | | 0 | 7.4 | | | | -- | -- | -- | 0.1 | -- | -- | 0.01 | |
| 05/12/83 | 5050 | | 7.6C | | | | 0.05 | -- | -- | 0.01 | | -- | 0.00 | -- | |
| 1425 | 5050 | | 138 | 7.1 | | | | -- | -- | -- | 0.1 | -- | -- | 0.02 | |
| 06/21/83 | 5050 | | 22.2C | | | | 0.02 | -- | -- | 0.01 | | -- | 0.00 | -- | |
| 1300 | 5050 | | 0 | 7.4 | | | | -- | -- | -- | 0.1 | -- | -- | 0.01 | |
| 06/21/83 | 5050 | | 9.1C | | | | 0.08 | -- | -- | 0.01 | | -- | 0.00 | -- | |
| 1310 | 5050 | | 138 | 7.1 | | | | -- | -- | -- | 0.1 | -- | -- | 0.02 | |
| 07/28/83 | 5050 | | 25.0C | 89 | | | 0.03 | -- | -- | 0.00 | | -- | 0.00 | -- | |
| 1330 | 5050 | | 0 | 7.7 | | | | -- | -- | -- | 0.0 | -- | -- | 0.00 | |
| 07/28/83 | 5050 | | 10.2C | 82 | | | 0.09 | -- | -- | 0.01 | | -- | 0.00 | -- | |
| 1340 | 5050 | | 157 | 7.3 | | | | -- | -- | -- | 0.0 | -- | -- | 0.02 | |
| 08/25/83 | 5050 | | 24.4C | 96 | 1AF | | 0.00 | -- | -- | 0.00 | | -- | 0.00 | -- | |
| 1130 | 5050 | | 0 | 7.7 | | | | -- | -- | -- | 0.1 | -- | -- | 0.00 | |
| 08/25/83 | 5050 | | 11.7C | 84 | 3AF | | 0.07 | -- | -- | 0.02 | | -- | 0.00 | -- | |
| 1140 | 5050 | | 148 | 7.1 | | | | -- | -- | -- | 0.0 | -- | -- | 0.02 | |
| 10/04/83 | 5050 | | 20.2C | | | | 0.00 | -- | -- | 0.00 | | -- | 0.00 | -- | |
| 1200 | 5050 | | 0 | 7.6 | | | | -- | -- | -- | 0.1 | -- | -- | 0.01 | |
| 10/04/83 | 5050 | | 15.3C | | | | 0.05 | -- | -- | 0.00 | | -- | 0.00 | -- | |
| 1210 | 5050 | | 108 | 7.1 | | | | -- | -- | -- | 0.1 | -- | -- | 0.03 | |
| 10/27/83 | 5050 | | 17.7C | 105 | 1AF | | 0.00 | -- | -- | 0.00 | | -- | 0.00 | -- | |
| 0800 | 5050 | | 0 | 7.3 | | | | -- | -- | -- | 0.1 | -- | -- | 0.01 | |
| 10/27/83 | 5050 | | 15.0C | 102 | 3AF | | 0.05 | -- | -- | 0.00 | | -- | 0.01 | -- | |
| 0810 | 5050 | | 105 | 6.9 | | | | -- | -- | -- | 0.1 | -- | -- | 0.03 | |
| 12/05/83 | 5050 | | 12.2C | 105 | 1AF | | 0.04 | -- | -- | 0.00 | | -- | 0.01 | -- | |
| 1400 | 5050 | | 0 | 7.3 | | | | -- | -- | -- | 0.0 | -- | -- | 0.02 | |
| 12/05/83 | 5050 | | 12.0C | 102 | 3AF | | 0.04 | -- | -- | 0.00 | | -- | 0.00 | -- | |
| 1410 | 5050 | | 105 | 7.3 | | | | -- | -- | -- | 0.0 | -- | -- | 0.02 | |
| 01/25/84 | 5050 | | 10.1C | 94 | 1AF | | 0.06 | -- | -- | 0.00 | | -- | 0.00 | -- | |
| 1230 | 5050 | | 0 | 7.3 | | | | -- | -- | -- | 0.1 | -- | -- | 0.02 | |
| 01/25/84 | 5050 | | 9.2C | 94 | 2AF | | 0.06 | -- | -- | 0.00 | | -- | 0.00 | -- | |
| 1230 | 5050 | | 101 | 7.2 | | | | -- | -- | -- | 0.1 | -- | -- | 0.01 | |

NUTRIENT ANALYSES OF SURFACE WATER

| DATE TIME | SAMP LAB | G.H. Q | TEMP DEPTH | F F PH | TURB F CO2 | FIELD P ALK T ALK | D NO2 + NO3 | D NO2 NO3 | CONSTITUENTS IN MILLIGRAMS PER LITER | | | | D O-PD4 T O-PD4 | O TOT P T TOT P | RE1 |
|---|-------------|-----------|---------------|--------|---------------|-------------------------|----------------|--------------|--------------------------------------|----------------|------------------|----------------|--------------------|--------------------|-----|
| | | | | | | | | | D ORG N T ORG N | D NH3 T NH3 | T NH3 + ORG N | DIS A.H.PD4 | | | |
| ***** | | | | | | | | | | | | | | | |
| A2 L D44.3 227.3 SHASTA LK A LITTLE SQUAW C INLET A20A0 CONTINUED | | | | | | | | | | | | | | | |
| 02/29/84 | 5050 | | 9.2C | 95 | 2AF | | 0.03 | -- | -- | 0.00 | | -- | 0.00 | -- | |
| 1300 | 5050 | | 0 | 7.4 | | | | -- | -- | -- | 0.1 | -- | -- | 0.02 | |
| 02/29/84 | 5050 | | 8.0C | 96 | 3AF | | 0.05 | -- | -- | 0.00 | | -- | 0.00 | -- | |
| 1300 | 5050 | | 115 | 7.2 | | | | -- | -- | -- | 0.0 | -- | -- | 0.02 | |
| 04/04/84 | 5050 | | 13.2C | 98 | | | 0.00 | -- | -- | 0.00 | | -- | 0.00 | -- | |
| 1200 | 5050 | | 0 | 7.8 | | | | -- | -- | -- | 0.0 | -- | -- | 0.01 | |
| 04/04/84 | 5050 | | 8.5C | 99 | | | 0.07 | -- | -- | 0.00 | | -- | 0.00 | -- | |
| 1200 | 5050 | | 115 | 7.3 | | | | -- | -- | -- | 0.0 | -- | -- | 0.02 | |
| 05/09/84 | 5050 | | 15.0C | 97 | | | 0.00 | -- | -- | 0.00 | | -- | 0.00 | -- | |
| 1100 | 5050 | | 0 | 7.5 | | | | -- | -- | -- | 0.1 | -- | -- | 0.01 | |
| 05/09/84 | 5050 | | 8.9C | 101 | | | 0.07 | -- | -- | 0.00 | | -- | 0.01 | -- | |
| 1100 | 5050 | | 131 | 7.2 | | | | -- | -- | -- | 0.0 | -- | -- | 0.02 | |
| 06/08/84 | 5050 | | 18.5C | 100 | | | 0.00 | -- | -- | 0.00 | | -- | 0.00 | -- | |
| 0815 | 5050 | | 00 | 7.3 | | | | -- | -- | -- | 0.0 | -- | -- | 0.01 | |
| 06/08/84 | 5050 | | 9.3C | 100 | | | 0.06 | -- | -- | 0.01 | | -- | 0.00 | -- | |
| 0815 | 5050 | | 131 | 7.2 | | | | -- | -- | -- | 0.0 | -- | -- | 0.02 | |
| 07/12/84 | 5050 | | 26.0C | 103 | | | 0.00 | -- | -- | 0.00 | | -- | 0.00 | -- | |
| 0800 | 5050 | | 0 | 7.6 | | | | -- | -- | -- | 0.0 | -- | -- | 0.01 | |
| 07/12/84 | 5050 | | 11.0C | 104 | | | 0.06 | -- | -- | 0.00 | | -- | 0.01 | -- | |
| 0800 | 5050 | | 115 | 7.2 | | | | -- | -- | -- | 0.0 | -- | -- | 0.02 | |
| 08/15/84 | 5050 | | 25.3C | | | | 0.01 | -- | -- | 0.00 | | -- | 0.00 | -- | |
| 0830 | 5050 | | 0 | 7.5 | | | | -- | -- | -- | 0.0 | -- | -- | 0.01 | |
| 08/15/84 | 5050 | | 14.6C | | | | 0.04 | -- | -- | 0.00 | | -- | 0.00 | -- | |
| 0830 | 5050 | | 98 | 7.0 | | | | -- | -- | -- | 0.0 | -- | -- | 0.01 | |
| 09/10/84 | 5050 | | 23.5C | 115 | 1AF | | 0.02 | -- | -- | 0.01 | | -- | 0.00 | -- | |
| 0900 | 5050 | | 0 | 7.6 | | | | -- | -- | -- | 0.1 | -- | -- | 0.00 | |
| 09/10/84 | 5050 | | 17.0C | 116 | 2AF | | 0.05 | -- | -- | 0.01 | | -- | 0.01 | -- | |
| 0900 | 5050 | | 88 | 7.0 | | | | -- | -- | -- | 0.2 | -- | -- | 0.06 | |
| 10/18/84 | 5050 | | 17.8C | 126 | 1AF | | 0.01 | -- | -- | 0.04 | | -- | 0.00 | -- | |
| 1100 | 5050 | | 0 | 7.3 | | | | -- | -- | -- | 0.0 | -- | -- | 0.02 | |
| 10/18/84 | 5050 | | 17.5C | 125 | 1AF | | 0.01 | -- | -- | 0.00 | | -- | 0.00 | -- | |
| 1100 | 5050 | | 79 | 7.3 | | | | -- | -- | -- | 0.0 | -- | -- | 0.02 | |

NUTRIENT ANALYSES OF SURFACE WATER

| DATE TIME | SAMP LAB | G.H. Q | TEMP DEPTH | F EC F PH | TURB F CO2 | FIELD P ALK T ALK | D NO2 + NO3 | D NO2 D NO3 | CONSTITUENTS IN D ORG N T ORG N | D NH3 T NH3 | MILLIGRAMS T NH3 + ORG N | PER LITER DIS A.H.P04 | D O-PO4 T O-PO4 | D TOT P T TOT P | RE1 |
|--|-------------|-----------|---------------|--------------|---------------|-------------------------|----------------|----------------|---------------------------------------|----------------|--------------------------------|-----------------------------|--------------------|--------------------|-----|
| A2 L 044.9 212.1 SHASTA LK PIT R AB JONES VALLEY A20A0 | | | | | | | | | | | | | | | |
| 05/16/83 | 5050 | | 15.4C | | | | 0.00 | -- | -- | 0.01 | | -- | 0.00 | -- | |
| 1120 | 5050 | | 0 | 7.5 | | | | -- | -- | -- | 0.1 | -- | -- | 0.02 | |
| 05/16/83 | 5050 | | 7.2C | | | | 0.09 | -- | -- | 0.01 | | -- | 0.01 | -- | |
| 1130 | 5050 | | 279 | 7.1 | | | | -- | -- | -- | 0.1 | -- | -- | 0.04 | |
| 06/24/83 | 5050 | | 23.3C | | | | 0.00 | -- | -- | 0.00 | | -- | 0.00 | -- | |
| 1230 | 5050 | | 0 | 7.8 | | | | -- | -- | -- | 0.2 | -- | -- | 0.01 | |
| 06/24/83 | 5050 | | 8.1C | | | | 0.12 | -- | -- | 0.00 | | -- | 0.02 | -- | |
| 1240 | 5050 | | 295 | 7.3 | | | | -- | -- | -- | 0.2 | -- | -- | 0.04 | |
| 07/26/83 | 5050 | | 23.9C | 98 | | | 0.00 | -- | -- | 0.00 | | -- | 0.00 | -- | |
| 0830 | 5050 | | 0 | 8.0 | | | | -- | -- | -- | 0.2 | -- | -- | 0.01 | |
| 07/26/83 | 5050 | | 9.0C | 114 | | | 0.14 | -- | -- | 0.00 | | -- | 0.02 | -- | |
| 0840 | 5050 | | 262 | 6.9 | | | | -- | -- | -- | 0.1 | -- | -- | 0.04 | |
| 08/23/83 | 5050 | | 24.7C | 97 | 2AF | | 0.00 | -- | -- | 0.00 | | -- | 0.00 | -- | |
| 0815 | 5050 | | 0 | 8.5 | | | | -- | -- | -- | 0.1 | -- | -- | 0.01 | |
| 08/23/83 | 5050 | | 9.5C | 116 | 6AF | | 0.17 | -- | -- | 0.01 | | -- | 0.02 | -- | |
| 0825 | 5050 | | 230 | 7.1 | | | | -- | -- | -- | 0.1 | -- | -- | 0.04 | |
| 09/29/83 | 5050 | | 20.8C | | | | 0.00 | -- | -- | 0.00 | | -- | 0.00 | -- | |
| 1130 | 5050 | | 0 | 7.7 | | | | -- | -- | -- | 0.2 | -- | -- | 0.01 | |
| 09/29/83 | 5050 | | 12.2C | | | | 0.21 | -- | -- | 0.00 | | -- | 0.01 | -- | |
| 1140 | 5050 | | 230 | 6.8 | | | | -- | -- | -- | 0.1 | -- | -- | 0.04 | |
| 11/04/83 | 5050 | | 17.5C | 114 | 1AF | | 0.00 | -- | -- | 0.00 | | -- | 0.00 | -- | |
| 0915 | 5050 | | 0 | 7.4 | | | | -- | -- | -- | 0.1 | -- | -- | 0.01 | |
| 11/04/83 | 5050 | | 13.6C | 124 | 7AF | | 0.05 | -- | -- | 0.03 | | -- | 0.02 | -- | |
| 0925 | 5050 | | 246 | 7.3 | | | | -- | -- | -- | 0.2 | -- | -- | 0.06 | |
| 12/19/83 | 5050 | | 12.0C | 112 | 1AF | | 0.06 | -- | -- | 0.00 | | -- | 0.00 | -- | |
| 1230 | 5050 | | 0 | 7.3 | | | | -- | -- | -- | 0.0 | -- | -- | 0.02 | |
| 12/19/83 | 5050 | | 8.3C | 119 | 10AF | | 0.08 | -- | -- | 0.01 | | -- | 0.02 | -- | |
| 1240 | 5050 | | 243 | 7.3 | | | | -- | -- | -- | 0.2 | -- | -- | 0.05 | |
| 01/23/84 | 5050 | | 9.6C | 116 | 7AF | | 0.08 | -- | -- | 0.02 | | -- | 0.02 | -- | |
| 1000 | 5050 | | 239 | 7.3 | | | | -- | -- | -- | 0.1 | -- | -- | 0.04 | |
| 01/23/84 | 5050 | | 9.6C | 100 | 1AF | | 0.04 | -- | -- | 0.00 | | -- | 0.01 | -- | |
| 1000 | 5050 | | 0 | 7.3 | | | | -- | -- | -- | 0.3 | -- | -- | 0.03 | |

NUTRIENT ANALYSES OF SURFACE WATER

| DATE TIME | SAMP LAB | G.H. Q | TEMP DEPTH | F EC F PH | TURB F CQ2 | FIELD P ALK T ALK | D NO2 + NO3 | D NO2 D NO3 | CONSTITUENTS IN MILLIGRAMS PER LITER | | | | | D O-PO4 T O-PO4 | D TOT P T TOT P | RE4 |
|------------------|-------------|-----------|---------------------------------|--------------|---------------|-------------------------|----------------|-----------------|--------------------------------------|---------|---------|---------|---------|--------------------|--------------------|---------|
| * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * |
| A2 L 044.9 212.1 | | | SHASTA LK PIT R AB JONES VALLEY | | | | | A20A0 CONTINUED | | | | | | | | |
| 02/27/84 | 5050 | | 6.8C | 130 | 10AF | | 0.08 | -- | -- | 0.02 | | -- | 0.02 | -- | | |
| 1200 | 5050 | | 180 | 7.3 | | | | -- | -- | -- | 0.2 | -- | -- | 0.06 | | |
| 02/27/84 | 5050 | | 10.0C | 107 | 1AF | | 0.00 | -- | -- | 0.00 | | -- | 0.00 | -- | | |
| 1200 | 5050 | | 0 | 7.5 | | | | -- | -- | -- | 0.1 | -- | -- | 0.02 | | |
| 04/02/84 | 5050 | | 7.0C | 135 | | | 0.13 | -- | -- | 0.00 | | -- | 0.01 | -- | | |
| 1030 | 5050 | | 262 | 7.3 | | | | -- | -- | -- | 0.2 | -- | -- | 0.05 | | |
| 04/02/84 | 5050 | | 13.0C | 108 | | | 0.00 | -- | -- | 0.00 | | -- | 0.00 | -- | | |
| 1030 | 5050 | | 0 | 7.4 | | | | -- | -- | -- | 0.5 | -- | -- | 0.01 | | |
| 05/07/84 | 5050 | | 8.7C | 118 | | | 0.11 | -- | -- | 0.00 | | -- | 0.02 | -- | | |
| 0830 | 5050 | | 180 | 7.3 | | | | -- | -- | -- | 0.1 | -- | -- | 0.04 | | |
| 05/07/84 | 5050 | | 14.5C | 99 | | | 0.01 | -- | -- | 0.00 | | -- | 0.00 | -- | | |
| 0830 | 5050 | | 0 | 7.7 | | | | -- | -- | -- | 0.1 | -- | -- | 0.01 | | |
| 06/05/84 | 5050 | | 8.6C | 126 | | | 0.12 | -- | -- | 0.00 | | -- | 0.02 | -- | | |
| 0800 | 5050 | | 216 | 7.2 | | | | -- | -- | -- | 0.1 | -- | -- | 0.05 | | |
| 06/05/84 | 5050 | | 20.0C | 109 | | | 0.00 | -- | -- | 0.00 | | -- | 0.00 | -- | | |
| 0800 | 5050 | | 0 | 7.6 | | | | -- | -- | -- | 0.1 | -- | -- | 0.01 | | |
| 07/10/84 | 5050 | | 53.0F | 126 | | | 0.18 | -- | -- | 0.00 | | -- | 0.02 | -- | | |
| 0830 | 5050 | | 243 | 7.0 | | | | -- | -- | -- | 0.2 | -- | -- | 0.06 | | |
| 07/10/84 | 5050 | | 26.8C | 108 | | | 0.00 | -- | -- | 0.00 | | -- | 0.00 | -- | | |
| 0830 | 5050 | | 0 | 7.7 | | | | -- | -- | -- | 0.1 | -- | -- | 0.01 | | |
| 08/13/84 | 5050 | | 9.2C | | | | 0.23 | -- | -- | 0.00 | | -- | 0.02 | -- | | |
| 0930 | 5050 | | 233 | 7.0 | | | | -- | -- | -- | 0.1 | -- | -- | 0.07 | | |
| 08/13/84 | 5050 | | 26.0C | | | | 0.03 | -- | -- | 0.00 | | -- | 0.00 | -- | | |
| 0930 | 5050 | | 0 | 8.0 | | | | -- | -- | -- | 0.1 | -- | -- | 0.01 | | |
| 09/11/84 | 5050 | | 9.1C | 137 | 4AF | | 0.25 | -- | -- | 0.01 | | -- | 0.03 | -- | | |
| 0815 | 5050 | | 230 | 6.9 | | | | -- | -- | -- | 0.1 | -- | -- | 0.05 | | |
| 09/11/84 | 5050 | | 23.6C | 118 | 1AF | | 0.02 | -- | -- | 0.02 | | -- | 0.01 | -- | | |
| 0815 | 5050 | | 0 | 7.8 | | | | -- | -- | -- | 0.1 | -- | -- | 0.01 | | |
| 10/15/84 | 5050 | | 9.5C | 142 | 6AF | | 0.18 | -- | -- | 0.08 | | -- | 0.02 | -- | | |
| 0830 | 5050 | | 230 | 6.8 | | | | -- | -- | -- | 0.2 | -- | -- | 0.05 | | |
| 10/15/84 | 5050 | | 17.7C | 129 | 2AF | | 0.08 | -- | -- | 0.01 | | -- | 0.01 | -- | | |
| 0845 | 5050 | | 0 | 7.3 | | | | -- | -- | -- | 0.1 | -- | -- | 0.02 | | |

NUTRIENT ANALYSES OF SURFACE WATER

| DATE TIME | SAMP LAB | G.H. Q | TEMP DEPTH | F EC F PH | TURB F CO2 | FIELD P ALK T ALK | D NO2 + NO3 | D NO2 D NO3 | CONSTITUENTS IN MILLIGRAMS PER LITER | | | | | | D O-PO4 T O-PO4 | D TOT P T TOT P | REY | |
|--------------|-------------|-----------|---------------|-----------------------------------|---------------|-------------------------|----------------|----------------|--------------------------------------|---------|---------|---------|---------|---------|--------------------|--------------------|-----|--|
| * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * | | |
| A2 L 045.4 | | | 225.5 | SHASTA LK LITTLE BACKBONE C INLET | | | | | | A20A0 | | | | | | | | |
| 05/13/83 | 5050 | | 14.5C | | | | 0.04 | -- | -- | 0.01 | | -- | 0.00 | -- | | | | |
| 1300 | 5050 | | 0 | 7.4 | | | | -- | -- | -- | 0.1 | -- | -- | -- | 0.01 | | | |
| 05/13/83 | 5050 | | 7.4C | | | | 0.07 | -- | -- | 0.01 | | -- | 0.01 | -- | | | | |
| 1310 | 5050 | | 197 | 7.2 | | | | -- | -- | -- | 0.1 | -- | -- | -- | 0.02 | | | |
| 06/22/83 | 5050 | | 22.8C | | | | 0.01 | -- | -- | 0.00 | | -- | 0.00 | -- | | | | |
| 1300 | 5050 | | 0 | 7.7 | | | | -- | -- | -- | 0.1 | -- | -- | -- | 0.01 | | | |
| 06/22/83 | 5050 | | 8.5C | | | | 0.07 | -- | -- | 0.00 | | -- | 0.00 | -- | | | | |
| 1310 | 5050 | | 230 | 7.3 | | | | -- | -- | -- | 0.1 | -- | -- | -- | 0.03 | | | |
| 07/27/83 | 5050 | | 24.8C | 88 | | | 0.02 | -- | -- | 0.01 | | -- | 0.00 | -- | | | | |
| 1200 | 5050 | | 0 | 7.8 | | | | -- | -- | -- | 0.1 | -- | -- | -- | 0.01 | | | |
| 07/27/83 | 5050 | | 10.0C | | | | 0.07 | -- | -- | 0.00 | | -- | 0.00 | -- | | | | |
| 1210 | 5050 | | 177 | 7.1 | | | | -- | -- | -- | 0.1 | -- | -- | -- | 0.02 | | | |
| 08/24/83 | 5050 | | 24.5C | 94 | 2AF | | 0.00 | -- | -- | 0.00 | | -- | 0.00 | -- | | | | |
| 1145 | 5050 | | 0 | 7.6 | | | | -- | -- | -- | 0.0 | -- | -- | -- | 0.01 | | | |
| 08/24/83 | 5050 | | 9.2C | 89 | 4AF | | 0.08 | -- | -- | 0.01 | | -- | 0.01 | -- | | | | |
| 1155 | 5050 | | 223 | 7.1 | | | | -- | -- | -- | 0.0 | -- | -- | -- | 0.02 | | | |
| 10/03/83 | 5050 | | 19.8C | | | | 0.00 | -- | -- | 0.01 | | -- | 0.00 | -- | | | | |
| 0810 | 5050 | | 0 | 8.0 | | | | -- | -- | -- | 0.1 | -- | -- | -- | 0.02 | | | |
| 10/03/83 | 5050 | | 13.1C | | | | 0.00 | -- | -- | 0.00 | | -- | 0.00 | -- | | | | |
| 0820 | 5050 | | 157 | 6.8 | | | | -- | -- | -- | 0.3 | -- | -- | -- | 0.02 | | | |
| 10/26/83 | 5050 | | 17.8C | 107 | 1AF | | 0.00 | -- | -- | 0.00 | | -- | 0.00 | -- | | | | |
| 0815 | 5050 | | 0 | 7.4 | | | | -- | -- | -- | 0.1 | -- | -- | -- | 0.01 | | | |
| 10/26/83 | 5050 | | 13.2C | 99 | 2AF | | 0.05 | -- | -- | 0.00 | | -- | 0.01 | -- | | | | |
| 0825 | 5050 | | 177 | 6.9 | | | | -- | -- | -- | 0.1 | -- | -- | -- | 0.02 | | | |
| 12/20/83 | 5050 | | 12.0C | 107 | 1AF | | 0.06 | -- | -- | 0.00 | | -- | 0.01 | -- | | | | |
| 0845 | 5050 | | 0 | 7.3 | | | | -- | -- | -- | 0.1 | -- | -- | -- | 0.02 | | | |
| 12/20/83 | 5050 | | 10.2C | 113 | 4AF | | 0.10 | -- | -- | 0.00 | | -- | 0.01 | -- | | | | |
| 0855 | 5050 | | 180 | 7.0 | | | | -- | -- | -- | 0.1 | -- | -- | -- | 0.03 | | | |
| 01/24/84 | 5050 | | 8.8C | 98 | 2AF | | 0.07 | -- | -- | 0.01 | | -- | 0.02 | -- | | | | |
| 1100 | 5050 | | 141 | 7.2 | | | | -- | -- | -- | 0.1 | -- | -- | -- | 0.03 | | | |
| 01/24/84 | 5050 | | 9.7C | 96 | 1AF | | 0.07 | -- | -- | 0.00 | | -- | 0.01 | -- | | | | |
| 1100 | 5050 | | 0 | 7.2 | | | | -- | -- | -- | 0.1 | -- | -- | -- | 0.02 | | | |

NUTRIENT ANALYSES OF SURFACE WATER

| DATE TIME | SAMP LAB | G.H. Q | TEMP DEPTH | F EC F PH | TURB F CO2 | FIELD P ALK T ALK | D NO2 + NO3 | D NO2 D NO3 | CONSTITUENTS IN MILLIGRAMS PER LITER | | | | | | D O-PO4 T O-PO4 | D TOT P T TOT P | RE1 |
|------------------|-------------|-----------|---------------|-----------------------------------|---------------|-------------------------|----------------|-----------------|--------------------------------------|------|-----|----|------|----|--------------------|--------------------|-----|
| ***** | | | | | | | | | | | | | | | | | |
| A2 L 045.4 225.5 | | | | SHASTA LK LITTLE BACKBONE C INLET | | | | A20AD CONTINUED | | | | | | | | | |
| 02/28/84 | 5050 | | 9.5C | 94 | 1AF | | 0.02 | -- | -- | 0.00 | | -- | 0.00 | -- | | | |
| 1300 | 5050 | | 0 | 7.3 | | | | -- | -- | -- | 0.1 | -- | -- | -- | | 0.02 | |
| 02/29/84 | 5050 | | 7.9C | 95 | 2AF | | 0.05 | -- | -- | 0.00 | | -- | 0.00 | -- | | | |
| 1300 | 5050 | | 148 | 7.2 | | | | -- | -- | -- | 0.1 | -- | -- | -- | | 0.02 | |
| 04/03/84 | 5050 | | 7.3C | 112 | | | 0.09 | -- | -- | 0.00 | | -- | 0.01 | -- | | | |
| 1230 | 5050 | | 197 | 7.2 | | | | -- | -- | -- | 0.1 | -- | -- | -- | | 0.02 | |
| 04/03/84 | 5050 | | 13.0C | 98 | | | 0.00 | -- | -- | 0.00 | | -- | 0.00 | -- | | | |
| 1230 | 5050 | | 0 | 7.4 | | | | -- | -- | -- | 0.1 | -- | -- | -- | | 0.01 | |
| 05/08/84 | 5050 | | 8.7C | 99 | | | 0.08 | -- | -- | 0.01 | | -- | 0.01 | -- | | | |
| 1130 | 5050 | | 138 | 7.3 | | | | -- | -- | -- | 0.0 | -- | -- | -- | | 0.02 | |
| 05/08/84 | 5050 | | 17.3C | 93 | | | 0.01 | -- | -- | 0.00 | | -- | 0.00 | -- | | | |
| 1130 | 5050 | | 0 | 7.6 | | | | -- | -- | -- | 0.0 | -- | -- | -- | | 0.01 | |
| 06/07/84 | 5050 | | 9.8C | 109 | | | 0.07 | -- | -- | 0.00 | | -- | 0.01 | -- | | | |
| 1130 | 5050 | | 121 | 7.2 | | | | -- | -- | -- | 0.0 | -- | -- | -- | | 0.03 | |
| 06/07/84 | 5050 | | 18.8C | 98 | | | 0.00 | -- | -- | 0.00 | | -- | 0.00 | -- | | | |
| 1130 | 5050 | | 0 | 7.5 | | | | -- | -- | -- | 0.0 | -- | -- | -- | | 0.01 | |
| 07/11/84 | 5050 | | 10.4C | 108 | | | 0.10 | -- | -- | 0.00 | | -- | 0.02 | -- | | | |
| 0800 | 5050 | | 148 | 7.2 | | | | -- | -- | -- | 0.0 | -- | -- | -- | | 0.03 | |
| 07/11/84 | 5050 | | 25.7C | 103 | | | 0.03 | -- | -- | 0.02 | | -- | 0.00 | -- | | | |
| 0800 | 5050 | | 0 | 7.7 | | | | -- | -- | -- | 0.0 | -- | -- | -- | | 0.00 | |
| 08/14/84 | 5050 | | 26.3C | | | | 0.01 | -- | -- | 0.00 | | -- | 0.00 | -- | | | |
| 1330 | 5050 | | 0 | 7.2 | | | | -- | -- | -- | 0.1 | -- | -- | -- | | 0.00 | |
| 08/14/84 | 5050 | | 14.0C | | | | 0.08 | -- | -- | 0.00 | | -- | 0.01 | -- | | | |
| 1330 | 5050 | | 115 | 7.1 | | | | -- | -- | -- | 0.0 | -- | -- | -- | | 0.03 | |
| 09/13/84 | 5050 | | 16.1C | 121 | 2AF | | 0.07 | -- | -- | 0.01 | | -- | 0.01 | -- | | | |
| 0830 | 5050 | | 98 | 7.0 | | | | -- | -- | -- | 0.1 | -- | -- | -- | | 0.02 | |
| 09/13/84 | 5050 | | 22.9C | 116 | 1AF | | 0.01 | -- | -- | 0.01 | | -- | 0.00 | -- | | | |
| 0830 | 5050 | | 0 | 7.5 | | | | -- | -- | -- | 0.1 | -- | -- | -- | | 0.00 | |
| 10/17/84 | 5050 | | 15.5C | 124 | 2AF | | 0.08 | -- | -- | 0.00 | | -- | 0.02 | -- | | | |
| 1100 | 5050 | | 98 | 7.1 | | | | -- | -- | -- | 0.0 | -- | -- | -- | | 0.02 | |
| 10/17/84 | 5050 | | 17.0C | 124 | 1AF | | 0.02 | -- | -- | 0.00 | | -- | 0.01 | -- | | | |
| 1100 | 5050 | | 0 | 7.3 | | | | -- | -- | -- | 0.0 | -- | -- | -- | | 0.02 | |

NUTRIENT ANALYSES OF SURFACE WATER

| DATE TIME | SAMP LAB | G.H. Q | TEMP DEPTH | F EC F PH | TURB F CO2 | FIELD P ALK T ALK | D NO2 + NO3 | D NO2 D NO3 | CONSTITUENTS IN MILLIGRAMS PER LITER | | | | | D O-PO4 T O-PO4 | D TOT P T TOT P | RE4 |
|--|-------------|-----------|---------------|--------------|---------------|-------------------------|----------------|----------------|--------------------------------------|--------------------|----------------|------------------|----------------|--------------------|--------------------|-----|
| | | | | | | | | | | D ORG N T ORG N | D NH3 T NH3 | T NH3 + ORG N | DIS A.H-PO4 | | | |
| A2 L 046.4 212.9 SHASTA LK SQUAW C BL ZINC C A20A0 | | | | | | | | | | | | | | | | |
| 05/13/83 | 5050 | | 14.0C | | | | 0.00 | -- | -- | 0.02 | | -- | 0.00 | -- | | |
| 1045 | 5050 | | 0 | 7.4 | | | | -- | -- | -- | 0.1 | -- | -- | 0.02 | | |
| 05/13/83 | 5050 | | 7.6C | | | | 0.05 | -- | -- | 0.00 | | -- | 0.01 | -- | | |
| 1055 | 5050 | | 197 | 7.2 | | | | -- | -- | -- | 0.0 | -- | -- | 0.03 | | |
| 06/24/83 | 5050 | | 22.3C | | | | 0.00 | -- | -- | 0.00 | | -- | 0.00 | -- | | |
| 0900 | 5050 | | 0 | 7.9 | | | | -- | -- | -- | 0.1 | -- | -- | 0.01 | | |
| 06/24/83 | 5050 | | 8.6C | | | | 0.05 | -- | -- | 0.00 | | -- | 0.00 | -- | | |
| 0910 | 5050 | | 230 | 7.3 | | | | -- | -- | -- | 0.1 | -- | -- | 0.01 | | |
| 07/26/83 | 5050 | | 10.2C | 110 | | | 0.08 | -- | -- | 0.00 | | -- | 0.01 | -- | | |
| 1155 | 5050 | | 171 | 7.2 | | | | -- | -- | -- | 0.1 | -- | -- | 0.03 | | |
| 07/28/83 | 5050 | | 24.3C | 100 | | | 0.02 | -- | -- | 0.00 | | -- | 0.00 | -- | | |
| 1145 | 5050 | | 0 | 8.1 | | | | -- | -- | -- | 0.1 | -- | -- | 0.01 | | |
| 09/23/83 | 5050 | | 25.8C | 100 | 1AF | | 0.00 | -- | -- | 0.01 | | -- | 0.00 | -- | | |
| 1045 | 5050 | | 0 | 8.4 | | | | -- | -- | -- | 0.1 | -- | -- | 0.01 | | |
| 08/23/83 | 5050 | | 10.6C | 108 | 3AF | | 0.08 | -- | -- | 0.01 | | -- | 0.01 | -- | | |
| 1055 | 5050 | | 164 | 7.2 | | | | -- | -- | -- | 0.0 | -- | -- | 0.04 | | |
| 09/29/83 | 5050 | | 20.8C | | | | 0.00 | -- | -- | 0.00 | | -- | 0.00 | -- | | |
| 0830 | 5050 | | 0 | 7.7 | | | | -- | -- | -- | 0.3 | -- | -- | 0.01 | | |
| 09/29/83 | 5050 | | 12.2C | | | | 0.10 | -- | -- | 0.00 | | -- | 0.00 | -- | | |
| 0840 | 5050 | | 213 | 6.9 | | | | -- | -- | -- | 0.1 | -- | -- | 0.03 | | |
| 10/28/83 | 5050 | | 17.6C | 113 | 1AF | | 0.00 | -- | -- | 0.00 | | -- | 0.00 | -- | | |
| 0930 | 5050 | | 0 | 7.5 | | | | -- | -- | -- | 0.2 | -- | -- | 0.01 | | |
| 10/28/83 | 5050 | | 12.6C | 124 | 4AF | | 0.11 | -- | -- | 0.00 | | -- | 0.01 | -- | | |
| 0940 | 5050 | | 197 | 6.9 | | | | -- | -- | -- | 0.1 | -- | -- | 0.03 | | |
| 12/19/83 | 5050 | | 12.1C | 112 | 1AF | | 0.06 | -- | -- | 0.00 | | -- | 0.01 | -- | | |
| 0945 | 5050 | | 0 | 7.3 | | | | -- | -- | -- | 0.1 | -- | -- | 0.02 | | |
| 12/19/83 | 5050 | | 8.5C | 117 | 6AF | | 0.08 | -- | -- | 0.01 | | -- | 0.02 | -- | | |
| 0955 | 5050 | | 190 | 7.2 | | | | -- | -- | -- | 0.1 | -- | -- | 0.04 | | |
| 01/23/84 | 5050 | | 9.6C | 103 | 1AF | | 0.04 | -- | -- | 0.00 | | -- | 0.01 | -- | | |
| 1300 | 5050 | | 0 | 7.3 | | | | -- | -- | -- | 0.1 | -- | -- | 0.04 | | |
| 01/23/84 | 5050 | | 6.9C | 102 | 1AF | | 0.04 | -- | -- | 0.00 | | -- | 0.01 | -- | | |
| 1300 | 5050 | | 243 | 7.2 | | | | -- | -- | -- | 0.1 | -- | -- | 0.04 | | |

NUTRIENT ANALYSES OF SURFACE WATER

| DATE TIME | SAMP LAB | G.H. Q | TEMP DEPTH | F EC F PH | TURB F CO2 | FIELD P ALK T ALK | D NO2 + NO3 | D NO2 D NO3 | CONSTITUENTS IN MILLIGRAMS D ORG N T ORG N | D NH3 T NH3 | T NH3 + ORG N | PER LITER DIS A.M.P04 | D O-P04 T O-P04 | D TOT P T TOT P | REM |
|--|--------------|-----------|---------------|--------------|---------------|-------------------------|----------------|----------------|--|----------------|------------------|-----------------------------|--------------------|--------------------|-----|
| A2 L 046.4 212.9 SHASTA LK SQUAW C BL ZINC C A20A0 CONTINUED | | | | | | | | | | | | | | | |
| 02/27/84 1000 | 5050 5050 | | 9.2C 0 | 108 7.6 | 1AF | | 0.00 | -- -- | -- -- | 0.00 -- | 0.1 -- | -- -- | 0.00 -- | -- 0.02 | |
| 02/27/84 1000 | 5050 5050 | | 6.9C 213 | 126 7.3 | 13AF | | 0.08 | -- -- | -- -- | 0.01 -- | 0.1 -- | -- -- | 0.02 -- | -- 0.04 | |
| 04/02/84 1300 | 5050 5050 | | 12.8C 0 | 106 7.6 | | | 0.01 | -- -- | -- -- | 0.00 -- | 0.1 -- | -- -- | 0.00 -- | -- 0.01 | |
| 04/02/84 1300 | 5050 5050 | | 7.4C 213 | 129 7.3 | | | 0.11 | -- -- | -- -- | 0.00 -- | 0.1 -- | -- -- | 0.01 -- | -- 0.04 | |
| 05/07/84 1100 | 5050 5050 | | 15.0C 0 | 100 7.6 | | | 0.00 | -- -- | -- -- | 0.00 -- | 0.1 -- | -- -- | 0.00 -- | -- 0.01 | |
| 05/07/84 1100 | 5050 5050 | | 7.9C 230 | 122 7.3 | | | 0.11 | -- -- | -- -- | 0.00 -- | 0.0 -- | -- -- | 0.01 -- | -- 0.03 | |
| 06/05/84 0930 | 5050 5050 | | 20.2C 0 | 105 7.7 | | | 0.00 | -- -- | -- -- | 0.01 -- | 0.1 -- | -- -- | 0.00 -- | -- 0.01 | |
| 06/05/84 0930 | 5050 5050 | | 8.2C 220 | 125 7.2 | | | 0.09 | -- -- | -- -- | 0.00 -- | 0.0 -- | -- -- | 0.01 -- | -- 0.03 | |
| 07/10/84 1130 | 5050 5050 | | 27.0C 0 | 109 7.6 | | | 0.00 | -- -- | -- -- | 0.02 -- | 0.1 -- | -- -- | 0.00 -- | -- 0.01 | |
| 07/10/84 1130 | 5050 5050 | | | 120 7.2 | | | 0.10 | -- -- | -- -- | 0.00 -- | 0.0 -- | -- -- | 0.01 -- | -- 0.03 | |
| 08/13/84 1200 | 5050 5050 | | 27.2C 0 | 8.0 | | | 0.01 | -- -- | -- -- | 0.01 -- | 0.0 -- | -- -- | 0.00 -- | -- 0.01 | |
| 08/13/84 1200 | 5050 5050 | | 9.1C 226 | 7.1 | | | 0.14 | -- -- | -- -- | 0.00 -- | 0.3 -- | -- -- | 0.01 -- | -- 0.15 | |
| 09/11/84 1045 | 5050 5050 | | 24.2C 0 | 120 7.9 | 1AF | | 0.02 | -- -- | -- -- | 0.01 -- | 0.1 -- | -- -- | 0.01 -- | -- 0.01 | |
| 09/11/84 1045 | 5050 5050 | | 9.3C 236 | 136 7.0 | 3AF | | 0.17 | -- -- | -- -- | 0.01 -- | 0.0 -- | -- -- | 0.01 -- | -- 0.03 | |
| 10/15/84 1100 | 5050 5050 | | 17.7C 0 | 131 7.3 | 1AF | | 0.01 | -- -- | -- -- | 0.01 -- | 0.1 -- | -- -- | 0.00 -- | -- 0.02 | |
| 10/15/84 1100 | 5050 5050 | | 9.7C 226 | 144 6.8 | 3AF | | 0.20 | -- -- | -- -- | 0.01 -- | 0.0 -- | -- -- | 0.01 -- | -- 0.03 | |

NUTRIENT ANALYSES OF SURFACE WATER

| DATE TIME | SAMP LAB | G.H. Q | TEMP DEPTH | F EC F PH | TURB F CO2 | FIELD P ALK T ALK | D NO2 + NO3 | D NO2 D NO3 | CONSTITUENTS IN MILLIGRAMS PER LITER | | | | | | | D O-PO4 T O-PO4 | D TOT P T TOT P | RE1 | | |
|--------------|-------------|-----------|---------------|--------------------------|---------------|-------------------------|----------------|----------------|--------------------------------------|----------------|------------------|----------------|---------|---------|---------|--------------------|--------------------|-----|--|--|
| * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | D ORG N T ORG N | D NH3 T NH3 | T NH3 + ORG N | DIS A.H.P04 | * * * * | * * * * | * * * * | * * * * | | | | |
| A2 L 048.4 | | | 217.6 | SHASTA LK MCCLLOUD R ARM | | | | | A24A0 | | | | | | | | | | | |
| 05/12/83 | 5050 | | 11.5C | | | | 0.01 | -- | -- | 0.02 | | -- | 0.01 | -- | | | | | | |
| 1015 | 5050 | | 0 | 8.0 | | | | -- | -- | -- | 0.1 | -- | -- | 0.03 | | | | | | |
| 05/12/83 | 5050 | | 7.1C | | | | 0.04 | -- | -- | 0.00 | | -- | 0.00 | -- | | | | | | |
| 1025 | 5050 | | 223 | 7.2 | | | | -- | -- | -- | 0.0 | -- | -- | 0.03 | | | | | | |
| 06/22/83 | 5050 | | 21.3C | | | | 0.02 | -- | -- | 0.00 | | -- | 0.00 | -- | | | | | | |
| 0930 | 5050 | | 0 | 7.7 | | | | -- | -- | -- | 0.1 | -- | -- | 0.01 | | | | | | |
| 06/22/83 | 5050 | | 8.0C | | | | 0.05 | -- | -- | 0.00 | | -- | 0.00 | -- | | | | | | |
| 0940 | 5050 | | 279 | 7.3 | | | | -- | -- | -- | 0.1 | -- | -- | 0.02 | | | | | | |
| 07/28/83 | 5050 | | 23.9C | 98 | | | 0.00 | -- | -- | 0.00 | | -- | 0.00 | -- | | | | | | |
| 0930 | 5050 | | 0 | 8.0 | | | | -- | -- | -- | 0.5 | -- | -- | 0.01 | | | | | | |
| 07/28/83 | 5050 | | 9.5C | 90 | | | 0.05 | -- | -- | 0.00 | | -- | 0.00 | -- | | | | | | |
| 0940 | 5050 | | 197 | 7.3 | | | | -- | -- | -- | 0.3 | -- | -- | 0.02 | | | | | | |
| 08/24/83 | 5050 | | 23.7C | 98 | 2AF | | 0.00 | -- | -- | 0.00 | | -- | 0.00 | -- | | | | | | |
| 0815 | 5050 | | 0 | 7.9 | | | | -- | -- | -- | 0.1 | -- | -- | 0.01 | | | | | | |
| 08/24/83 | 5050 | | 8.1C | 90 | 2AF | | 0.07 | -- | -- | 0.00 | | -- | 0.00 | -- | | | | | | |
| 0825 | 5050 | | 279 | 7.1 | | | | -- | -- | -- | 0.0 | -- | -- | 0.02 | | | | | | |
| 10/03/83 | 5050 | | 19.8C | | | | 0.02 | -- | -- | 0.00 | | -- | 0.00 | -- | | | | | | |
| 1100 | 5050 | | 0 | 7.6 | | | | -- | -- | -- | 0.1 | -- | -- | 0.01 | | | | | | |
| 10/03/83 | 5050 | | 8.6C | | | | 0.09 | -- | -- | 0.01 | | -- | 0.00 | -- | | | | | | |
| 1110 | 5050 | | 279 | 6.9 | | | | -- | -- | -- | 0.0 | -- | -- | 0.02 | | | | | | |
| 10/26/83 | 5050 | | 17.5C | 110 | 1AF | | 0.00 | -- | -- | 0.00 | | -- | 0.00 | -- | | | | | | |
| 1045 | 5050 | | 0 | 7.5 | | | | -- | -- | -- | 0.2 | -- | -- | 0.01 | | | | | | |
| 10/26/83 | 5050 | | 8.1C | 102 | 7AF | | 0.12 | -- | -- | 0.01 | | -- | 0.00 | -- | | | | | | |
| 1055 | 5050 | | 295 | 6.9 | | | | -- | -- | -- | 0.1 | -- | -- | 0.03 | | | | | | |
| 12/20/83 | 5050 | | 11.8C | 110 | 1AF | | 0.06 | -- | -- | 0.00 | | -- | 0.01 | -- | | | | | | |
| 1130 | 5050 | | 0 | 7.3 | | | | -- | -- | -- | 0.0 | -- | -- | 0.02 | | | | | | |
| 12/20/83 | 5050 | | 9.4C | 98 | 4AF | | 0.05 | -- | -- | 0.01 | | -- | 0.01 | -- | | | | | | |
| 1140 | 5050 | | 197 | 7.2 | | | | -- | -- | -- | 0.0 | -- | -- | 0.03 | | | | | | |
| 01/24/84 | 5050 | | 9.1C | 101 | 1AF | | 0.05 | -- | -- | 0.00 | | -- | 0.01 | -- | | | | | | |
| 0830 | 5050 | | 0 | 7.3 | | | | -- | -- | -- | 0.1 | -- | -- | 0.02 | | | | | | |
| 01/24/84 | 5050 | | 7.5C | 115 | 8AF | | 0.11 | -- | -- | 0.01 | | -- | 0.03 | -- | | | | | | |
| 0830 | 5050 | | 230 | 7.2 | | | | -- | -- | -- | 0.2 | -- | -- | 0.04 | | | | | | |

NUTRIENT ANALYSES OF SURFACE WATER

| DATE TIME | SAMP LAB | G.H. Q | TEMP DEPTH | F EC F PH | TURB F CO2 | FIELD P ALK T ALK | D NO2 + NO3 | D NO2 D NO3 | CONSTITUENTS IN MILLIGRAMS PER LITER | | | | | | | D O-PO4 T O-PO4 | D TOT P T TOT P | REY | | |
|------------------|-------------|-----------|--------------------------|--------------|---------------|-------------------------|----------------|-----------------|--------------------------------------|---------|---------|---------|---------|---------|---------|--------------------|--------------------|-----|--|--|
| * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * * | * * * | | | |
| A2 L 048.4 217.6 | | | SHASTA LK MCCLLOUD R ARM | | | | | A24A0 CONTINUED | | | | | | | | | | | | |
| 02/28/84 | 5050 | | 8.2C | 103 | 1AF | | 0.02 | -- | -- | 0.00 | | -- | 0.00 | -- | 0.00 | -- | | | | |
| 0930 | 5050 | | 0 | 7.3 | | | | -- | -- | -- | 0.1 | -- | -- | -- | 0.01 | | | | | |
| 02/28/84 | 5050 | | 6.3C | 121 | 8AF | | 0.10 | -- | -- | 0.00 | | -- | 0.02 | -- | -- | | | | | |
| 0930 | 5050 | | 312 | 7.2 | | | | -- | -- | -- | 0.1 | -- | -- | -- | 0.04 | | | | | |
| 04/03/84 | 5050 | | 12.1C | 103 | | | 0.02 | -- | -- | 0.00 | | -- | 0.00 | -- | -- | | | | | |
| 0900 | 5050 | | 0 | 7.6 | | | | -- | -- | -- | 0.1 | -- | -- | -- | 0.01 | | | | | |
| 04/03/84 | 5050 | | 6.8C | 134 | | | 0.12 | -- | -- | 0.00 | | -- | 0.01 | -- | -- | | | | | |
| 0930 | 5050 | | 331 | 7.3 | | | | -- | -- | -- | 0.1 | -- | -- | -- | 0.04 | | | | | |
| 05/08/84 | 5050 | | 14.6C | 98 | | | 0.00 | -- | -- | 0.00 | | -- | 0.00 | -- | -- | | | | | |
| 0900 | 5050 | | 0 | 7.7 | | | | -- | -- | -- | 0.0 | -- | -- | -- | 0.01 | | | | | |
| 05/08/84 | 5050 | | 7.0C | 117 | | | 0.13 | -- | -- | 0.00 | | -- | 0.02 | -- | -- | | | | | |
| 0900 | 5050 | | 292 | 7.2 | | | | -- | -- | -- | 0.0 | -- | -- | -- | 0.04 | | | | | |
| 06/07/84 | 5050 | | 18.8C | 102 | | | 0.00 | -- | -- | 0.01 | | -- | 0.00 | -- | -- | | | | | |
| 0830 | 5050 | | 0 | 7.5 | | | | -- | -- | -- | 0.1 | -- | -- | -- | 0.01 | | | | | |
| 06/07/84 | 5050 | | 7.5C | 116 | | | 0.11 | -- | -- | 0.00 | | -- | 0.01 | -- | -- | | | | | |
| 0830 | 5050 | | 279 | 7.2 | | | | -- | -- | -- | 0.0 | -- | -- | -- | 0.04 | | | | | |
| 07/11/84 | 5050 | | 48.0F | 117 | | | 0.16 | -- | -- | 0.01 | | -- | 0.02 | -- | -- | | | | | |
| 1000 | 5050 | | 295 | 7.1 | | | | -- | -- | -- | 0.1 | -- | -- | -- | 0.03 | | | | | |
| 07/11/84 | 5050 | | 26.0C | 106 | | | 0.02 | -- | -- | 0.00 | | -- | 0.00 | -- | -- | | | | | |
| 1000 | 5050 | | 0 | 7.6 | | | | -- | -- | -- | 0.1 | -- | -- | -- | 0.01 | | | | | |
| 08/14/84 | 5050 | | 7.5C | | | | 0.11 | -- | -- | 0.00 | | -- | 0.01 | -- | -- | | | | | |
| 0920 | 5050 | | 279 | 7.1 | | | | -- | -- | -- | 0.0 | -- | -- | -- | 0.03 | | | | | |
| 08/14/84 | 5050 | | 25.0C | | | | 0.01 | -- | -- | 0.00 | | -- | 0.00 | -- | -- | | | | | |
| 0920 | 5050 | | 0 | 7.6 | | | | -- | -- | -- | 0.0 | -- | -- | -- | 0.01 | | | | | |
| 09/13/84 | 5050 | | 7.2C | 131 | 6AF | | 0.16 | -- | -- | 0.01 | | -- | 0.02 | -- | -- | | | | | |
| 1015 | 5050 | | 295 | 7.0 | | | | -- | -- | -- | 0.1 | -- | -- | -- | 0.04 | | | | | |
| 09/13/84 | 5050 | | 22.8C | 116 | 1AF | | 0.02 | -- | -- | 0.01 | | -- | 0.00 | -- | -- | | | | | |
| 1015 | 5050 | | 0 | 7.5 | | | | -- | -- | -- | 0.1 | -- | -- | -- | 0.00 | | | | | |
| 10/17/84 | 5050 | | 6.0C | | 7AF | | 0.18 | -- | -- | 0.02 | | -- | 0.02 | -- | -- | | | | | |
| 0830 | 5050 | | 298 | 7.0 | | | | -- | -- | -- | 0.1 | -- | -- | -- | 0.04 | | | | | |
| 10/17/84 | 5050 | | 16.9C | | 1AF | | 0.02 | -- | -- | 0.01 | | -- | 0.01 | -- | -- | | | | | |
| 0830 | 5050 | | 0 | 7.4 | | | | -- | -- | -- | 0.1 | -- | -- | -- | 0.02 | | | | | |

NUTRIENT ANALYSES OF SURFACE WATER

| DATE TIME | SAMP LAB | G.H. Q | TEMP DEPTH | F EC F PH | TURB F CO2 | FIELD P ALK T ALK | D NO2 + NO3 | D NO2 D NO3 | CONSTITUENTS IN MILLIGRAMS PER LITER | | | | D O-PO4 T O-PO4 | D TOT P T TOT P | RE1 |
|------------------|-------------|-----------|----------------------------|--------------|---------------|-------------------------|----------------|----------------|--------------------------------------|------|-----|----|--------------------|--------------------|-----|
| ***** | | | | | | | | | | | | | | | |
| A2 L 048.5 222.8 | | | SHASTA LK SACRAMENTO R ARM | | | | | | | | | | | | |
| A24A0 | | | | | | | | | | | | | | | |
| 05/16/83 | 5050 | | 13.8C | | | | 0.00 | -- | -- | 0.01 | | -- | 0.00 | -- | |
| 1330 | 5050 | | 0 | 7.4 | | | | -- | -- | -- | 0.1 | -- | -- | 0.01 | |
| 05/16/83 | 5050 | | 6.8C | | | | 0.07 | -- | -- | 0.01 | | -- | 0.02 | -- | |
| 1340 | 5050 | | 328 | 7.2 | | | | -- | -- | -- | 0.1 | -- | -- | 0.04 | |
| 06/21/83 | 5050 | | 20.9C | | | | 0.00 | -- | -- | 0.00 | | -- | 0.00 | -- | |
| 0830 | 5050 | | 0 | 8.3 | | | | -- | -- | -- | 0.1 | -- | -- | 0.01 | |
| 06/21/83 | 5050 | | | | | | 0.08 | -- | -- | 0.00 | | -- | 0.01 | -- | |
| 0840 | 5050 | | 344 | 7.2 | | | | -- | -- | -- | 0.1 | -- | -- | 0.02 | |
| 07/27/83 | 5050 | | 23.3C | 93 | | | 0.01 | -- | -- | 0.00 | | -- | 0.00 | -- | |
| 0840 | 5050 | | 0 | 8.0 | | | | -- | -- | -- | 0.2 | -- | -- | 0.01 | |
| 07/27/83 | 5050 | | 7.9C | 73 | | | 0.12 | -- | -- | 0.02 | | -- | 0.00 | -- | |
| 0850 | 5050 | | 312 | 7.0 | | | | -- | -- | -- | 0.1 | -- | -- | 0.02 | |
| 08/25/83 | 5050 | | 23.9C | 95 | 1AF | | 0.00 | -- | -- | 0.00 | | -- | 0.00 | -- | |
| 0815 | 5050 | | 0 | 7.9 | | | | -- | -- | -- | 0.0 | -- | -- | 0.00 | |
| 08/25/83 | 5050 | | 7.9C | 80 | 3AF | | 0.10 | -- | -- | 0.00 | | -- | 0.00 | -- | |
| 0825 | 5050 | | 308 | 7.0 | | | | -- | -- | -- | 0.0 | -- | -- | 0.02 | |
| 10/04/83 | 5050 | | 19.8C | | | | 0.00 | -- | -- | 0.00 | | -- | 0.00 | -- | |
| 0830 | 5050 | | 0 | 7.5 | | | | -- | -- | -- | 0.1 | -- | -- | 0.01 | |
| 10/04/83 | 5050 | | 8.3C | | | | 0.09 | -- | -- | 0.00 | | -- | 0.00 | -- | |
| 0840 | 5050 | | 292 | 6.9 | | | | -- | -- | -- | 0.0 | -- | -- | 0.02 | |
| 10/27/83 | 5050 | | 17.2C | 108 | 0AF | | 0.00 | -- | -- | 0.00 | | -- | 0.00 | -- | |
| 0930 | 5050 | | 0 | 7.4 | | | | -- | -- | -- | 0.1 | -- | -- | 0.01 | |
| 10/27/83 | 5050 | | 7.9C | 82 | 4AF | | 0.11 | -- | -- | 0.00 | | -- | 0.00 | -- | |
| 0940 | 5050 | | 295 | 6.8 | | | | -- | -- | -- | 0.1 | -- | -- | 0.02 | |
| 12/05/83 | 5050 | | 12.8C | 103 | 1AF | | 0.04 | -- | -- | 0.00 | | -- | 0.00 | -- | |
| 1120 | 5050 | | 0 | 7.5 | | | | -- | -- | -- | 0.0 | -- | -- | 0.02 | |
| 12/05/83 | 5050 | | 9.4C | 80 | 5AF | | 0.12 | -- | -- | 0.00 | | -- | 0.00 | -- | |
| 1130 | 5050 | | 279 | 6.8 | | | | -- | -- | -- | 0.0 | -- | -- | 0.02 | |
| 01/25/84 | 5050 | | 9.2C | 94 | 1AF | | 0.05 | -- | -- | 0.00 | | -- | 0.01 | -- | |
| 0930 | 5050 | | 0 | 7.3 | | | | -- | -- | -- | 0.1 | -- | -- | 0.02 | |
| 01/25/84 | 5050 | | 7.6C | 108 | 8AF | | 0.09 | -- | -- | 0.01 | | -- | 0.03 | -- | |
| 0930 | 5050 | | 285 | 7.2 | | | | -- | -- | -- | 0.1 | -- | -- | 0.04 | |

NUTRIENT ANALYSES OF SURFACE WATER

| DATE TIME | SAMP LAB | G.H. Q | TEMP DEPTH | F EC F PH | TURB F CD2 | FIELD P ALK T ALK | D NO2 + D NO3 | D NO2 D NO3 | CONSTITUENTS IN MILLIGRAMS PER LITER | | | | D O-P04 T O-P04 | D TOT P T TOT P | REMARKS |
|---|-------------|-----------|---------------|--------------|---------------|-------------------------|------------------|----------------|--------------------------------------|----------------|------------------|----------------|--------------------|--------------------|-----------|
| * * * * * | * * * * * | * * * * * | * * * * * | * * * * * | * * * * * | * * * * * | * * * * * | * * * * * | D ORG N T ORG N | D NH3 T NH3 | T NH3 + ORG N | DIS A.H.P04 | * * * * * | * * * * * | * * * * * |
| A2 L 040.5 222.8 SHASTA LK SACRAMENTO R ARM A24A0 CONTINUED | | | | | | | | | | | | | | | |
| 02/29/84 | 5050 | | 8.8C | 93 | 1AF | | 0.01 | -- | -- | 0.02 | -- | 0.00 | -- | -- | -- |
| 0930 | 5050 | | 0 | 7.4 | | | | -- | -- | -- | 0.1 | -- | -- | 0.01 | |
| 02/29/84 | 5050 | | 6.4C | 118 | 6AF | | 0.10 | -- | -- | 0.00 | -- | 0.02 | -- | -- | -- |
| 0930 | 5050 | | 315 | 7.2 | | | | -- | -- | -- | 0.1 | -- | -- | 0.03 | |
| 04/04/84 | 5050 | | 11.5C | 92 | | | 0.00 | -- | -- | 0.00 | -- | 0.00 | -- | -- | -- |
| 0930 | 5050 | | 0 | 7.7 | | | | -- | -- | -- | 0.1 | -- | -- | 0.01 | |
| 04/04/84 | 5050 | | 6.5C | 122 | | | 0.12 | -- | -- | 0.00 | -- | 0.01 | -- | -- | -- |
| 0930 | 5050 | | 312 | 7.3 | | | | -- | -- | -- | 0.1 | -- | -- | 0.04 | |
| 05/09/84 | 5050 | | 14.8C | 96 | | | 0.00 | -- | -- | 0.00 | -- | 0.00 | -- | -- | -- |
| 0930 | 5050 | | 0 | 7.6 | | | | -- | -- | -- | 0.1 | -- | -- | 0.01 | |
| 05/09/84 | 5050 | | 6.6C | 104 | | | 0.09 | -- | -- | 0.00 | -- | 0.02 | -- | -- | -- |
| 0930 | 5050 | | 308 | 7.2 | | | | -- | -- | -- | 0.1 | -- | -- | 0.03 | |
| 06/08/84 | 5050 | | 18.1C | 99 | | | 0.00 | -- | -- | 0.00 | -- | 0.00 | -- | -- | -- |
| 1100 | 5050 | | 0 | 7.4 | | | | -- | -- | -- | 0.1 | -- | -- | 0.01 | |
| 06/08/84 | 5050 | | 7.3C | 101 | | | 0.08 | -- | -- | 0.00 | -- | 0.02 | -- | -- | -- |
| 1100 | 5050 | | 262 | 7.2 | | | | -- | -- | -- | 0.0 | -- | -- | 0.03 | |
| 07/12/84 | 5050 | | 25.4C | 101 | | | 0.01 | -- | -- | 0.00 | -- | 0.00 | -- | -- | -- |
| 1000 | 5050 | | 0 | 7.6 | | | | -- | -- | -- | 0.0 | -- | -- | 0.01 | |
| 07/12/84 | 5050 | | 48.0F | 103 | | | 0.12 | -- | -- | 0.01 | -- | 0.02 | -- | -- | -- |
| 1000 | 5050 | | 279 | 7.1 | | | | -- | -- | -- | 0.1 | -- | -- | 0.04 | |
| 08/15/84 | 5050 | | 25.8C | | | | 0.01 | -- | -- | 0.00 | -- | 0.00 | -- | -- | -- |
| 1000 | 5050 | | 0 | 7.5 | | | | -- | -- | -- | 0.0 | -- | -- | 0.00 | |
| 08/15/84 | 5050 | | 7.0C | | | | 0.16 | -- | -- | 0.00 | -- | 0.01 | -- | -- | -- |
| 1000 | 5050 | | 302 | 6.8 | | | | -- | -- | -- | 0.0 | -- | -- | 0.03 | |
| 09/10/84 | 5050 | | 23.9C | 116 | 1AF | | 0.03 | -- | -- | 0.02 | -- | 0.00 | -- | -- | -- |
| 1100 | 5050 | | 0 | 7.6 | | | | -- | -- | -- | 0.1 | -- | -- | 0.00 | |
| 09/10/84 | 5050 | | 7.0C | 119 | 5AF | | 0.16 | -- | -- | 0.01 | -- | 0.02 | -- | -- | -- |
| 1100 | 5050 | | 295 | 6.9 | | | | -- | -- | -- | 0.0 | -- | -- | 0.03 | |
| 10/18/84 | 5050 | | 16.5C | | 1AF | | 0.02 | -- | -- | 0.01 | -- | 0.01 | -- | -- | -- |
| 0830 | 5050 | | 0 | 7.3 | | | | -- | -- | -- | 0.1 | -- | -- | 0.02 | |
| 10/18/84 | 5050 | | 6.8C | | 1AF | | 0.16 | -- | -- | 0.01 | -- | 0.02 | -- | -- | -- |
| 0830 | 5050 | | 282 | 6.7 | | | | -- | -- | -- | 0.1 | -- | -- | 0.03 | |

NUTRIENT ANALYSES OF SURFACE WATER

| DATE TIME | SAMP LAB | G.H. Q | TEMP DEPTH | F EC F PH | TURB F CO2 | FIELD P ALK T ALK | D NO2 + NO3 | D NO2 D NO3 | CONSTITUENTS IN MILLIGRAMS PER LITER | | | | | D O-PO4 T O-PO4 | D TOT P T TOT P | RE1 |
|--------------|-------------|-------------------------|---------------|--------------|---------------|-------------------------|----------------|----------------|--------------------------------------|----------------|------------------|----------------|------|--------------------|--------------------|-----|
| | | | | | | | | | D ORG N T ORG N | D NH3 T NH3 | T NH3 + ORG N | DIS A.H.PO4 | | | | |
| A2 1010.00 | | SACRAMENTO R A KESWICK | | | | | A19C0 | | | | | | | | | |
| 04/29/83 | 5050 | | 8.9C | 82 | | | 0.02 | -- | -- | 0.01 | | -- | 0.00 | -- | | |
| 0940 | 5050 | | | 7.0 | | | | -- | -- | -- | 0.0 | -- | -- | -- | 0.03 | |
| 06/17/83 | 5050 | | 11.1C | 86 | | | 0.05 | -- | -- | 0.00 | | -- | 0.00 | -- | | |
| 1300 | 5050 | | | 7.1 | | | | -- | -- | -- | 0.1 | -- | -- | -- | 0.02 | |
| 07/15/83 | 5050 | | 11.1C | 96 | | | 0.05 | -- | -- | 0.01 | | -- | 0.00 | -- | | |
| 1300 | 5050 | | | 7.1 | | | | -- | -- | -- | 0.3 | -- | -- | -- | 0.02 | |
| 08/17/83 | 5050 | | 11.7C | 96 | 2AF | | 0.04 | -- | -- | 0.00 | | -- | 0.01 | -- | | |
| 1130 | 5050 | | | 7.1 | | | | -- | -- | -- | 0.0 | -- | -- | -- | 0.02 | |
| 09/21/83 | 5050 | | 11.9C | 91 | | | 0.04 | -- | -- | 0.00 | | -- | 0.01 | -- | | |
| 1310 | 5050 | | | 7.1 | | | | -- | -- | -- | 0.0 | -- | -- | -- | 0.02 | |
| 10/20/83 | 5050 | | 12.8C | 95 | 2AF | | 0.05 | -- | -- | 0.00 | | -- | 0.01 | -- | | |
| 1030 | 5050 | | | 7.1 | | | | -- | -- | -- | 0.1 | -- | -- | -- | 0.02 | |
| 11/30/83 | 5050 | | 12.2C | 110 | 3AF | | 0.08 | -- | -- | 0.00 | | -- | 0.01 | -- | | |
| 1100 | 5050 | | | 7.1 | | | | -- | -- | -- | 0.1 | -- | -- | -- | 0.03 | |
| 01/11/84 | 5050 | | 47.0F | 107 | 9AF | | 0.06 | -- | -- | 0.00 | | -- | 0.01 | -- | | |
| 1245 | 5050 | | | 7.0 | | | | -- | -- | -- | 0.1 | -- | -- | -- | 0.03 | |
| 02/23/84 | 5050 | | 47.0F | 103 | 6AF | | 0.07 | -- | -- | 0.00 | | -- | 0.01 | -- | | |
| 1405 | 5050 | | | 7.2 | | | | -- | -- | -- | 0.1 | -- | -- | -- | 0.03 | |
| 03/28/84 | 5050 | | 47.0F | 112 | | | 0.08 | -- | -- | 0.00 | | -- | 0.00 | -- | | |
| 1415 | 5050 | | | 7.0 | | | | -- | -- | -- | 0.0 | -- | -- | -- | 0.03 | |
| 05/02/84 | 5050 | | 47.0F | 120 | | | 0.08 | -- | -- | 0.00 | | -- | 0.01 | -- | | |
| 0915 | 5050 | | | 7.3 | | | | -- | -- | -- | 0.1 | -- | -- | -- | 0.03 | |
| A2 1040.00 | | SACRAMENTO R A MATHESON | | | | | A19C0 | | | | | | | | | |
| 04/29/83 | 5050 | | 9.4C | 96 | | | 0.03 | -- | -- | 0.00 | | -- | 0.01 | -- | | |
| 0820 | 5050 | | | 7.2 | | | | -- | -- | -- | 0.1 | -- | -- | -- | 0.03 | |
| 06/20/83 | 5050 | | 10.0C | 100 | | | 0.07 | -- | -- | 0.00 | | -- | 0.01 | -- | | |
| 1100 | 5050 | | | 7.2 | | | | -- | -- | -- | 0.1 | -- | -- | -- | 0.03 | |
| 07/15/83 | 5050 | | 10.0C | 100 | | | 0.07 | -- | -- | 0.00 | | -- | 0.01 | -- | | |
| 1415 | 5050 | | | 7.2 | | | | -- | -- | -- | 0.2 | -- | -- | -- | 0.02 | |
| 08/17/83 | 5050 | | 10.6C | 97 | 2AF | | 0.05 | -- | -- | 0.00 | | -- | 0.01 | -- | | |
| 1245 | 5050 | | | 7.2 | | | | -- | -- | -- | 0.1 | -- | -- | -- | 0.02 | |
| 09/21/83 | 5050 | | 12.5C | 97 | | | 0.04 | -- | -- | 0.00 | | -- | 0.01 | -- | | |
| 1340 | 5050 | | | 7.3 | | | | -- | -- | -- | 0.1 | -- | -- | -- | 0.02 | |

NUTRIENT ANALYSES OF SURFACE WATER

| DATE TIME | SAMP LAB | G.H. O | TEMP DEPTH | F EC F CO2 | TURB F CO2 | FIELD P ALK T ALK | D NO2 + NO3 | D NO2 D NO3 | CONSTITUENTS IN D ORG N T ORG N | MILLIGRAMS D NH3 T NH3 | PER LITER T NH3 + ORG N | DIS A.H.P04 | D D-P04 T D-P04 | D TOT P T TOT P | REMARKS |
|--|-------------|-----------|---------------|---------------|---------------|-------------------------|----------------|----------------|---------------------------------------|------------------------------|-------------------------------|----------------|--------------------|--------------------|---------|
| A2 1040.00 SACRAMENTO R A MATHESON A19C0 CONTINUED | | | | | | | | | | | | | | | |
| 10/20/83 | 5050 | | 12.5C | 96 | 2AF | | 0.06 | -- | -- | 0.00 | -- | -- | 0.01 | -- | |
| 0900 | 5050 | | | 7.1 | | | | -- | -- | -- | 0.1 | -- | -- | 0.02 | |
| 11/30/83 | 5050 | | 12.2C | 118 | 3AF | | 0.08 | -- | -- | 0.01 | -- | -- | 0.01 | -- | |
| 0930 | 5050 | | | 7.1 | | | | -- | -- | -- | 0.1 | -- | -- | 0.03 | |
| 01/11/84 | 5050 | | 48.0F | 113 | 7AF | | 0.07 | -- | -- | 0.01 | -- | -- | 0.02 | -- | |
| 1315 | 5050 | | | 7.3 | | | | -- | -- | -- | 0.1 | -- | -- | 0.04 | |
| 02/23/84 | 5050 | | 49.0F | 105 | 5AF | | 0.06 | -- | -- | 0.00 | -- | -- | 0.02 | -- | |
| 1515 | 5050 | | | 7.3 | | | | -- | -- | -- | 0.1 | -- | -- | 0.03 | |
| 03/28/84 | 5050 | | 46.0F | 112 | | | 0.08 | -- | -- | 0.00 | -- | -- | 0.01 | -- | |
| 1500 | 5050 | | | 7.4 | | | | -- | -- | -- | 0.1 | -- | -- | 0.03 | |
| 05/02/84 | 5050 | | 48.0F | 118 | | | 0.08 | -- | -- | 0.00 | -- | -- | 0.02 | -- | |
| 0815 | 5050 | | | 7.3 | | | | -- | -- | -- | 0.1 | -- | -- | 0.03 | |
| A2 1300.00 SACRAMENTO R A DELTA A20B0 | | | | | | | | | | | | | | | |
| 04/27/83 | 5050 | | 7.8C | 77 | | | 0.02 | -- | -- | 0.00 | -- | -- | 0.00 | -- | |
| 1630 | 5050 | | | 7.2 | | | | -- | -- | -- | 0.0 | -- | -- | 0.02 | |
| 06/13/83 | 5050 | | 12.8C | 69 | | | 0.00 | -- | -- | 0.02 | -- | -- | 0.00 | -- | |
| 1445 | 5050 | | | 7.4 | | | | -- | -- | -- | 0.2 | -- | -- | 0.01 | |
| 07/13/83 | 5050 | | 16.4C | 87 | | | 0.02 | -- | -- | 0.03 | -- | -- | 0.00 | -- | |
| 1430 | 5050 | | | 7.4 | | | | -- | -- | -- | 0.6 | -- | -- | 0.02 | |
| 08/19/83 | 5050 | | 18.1C | 115 | 1AF | | 0.02 | -- | -- | 0.03 | -- | -- | 0.06 | -- | |
| 1300 | 5050 | | | 7.8 | | | | -- | -- | -- | 0.1 | -- | -- | 0.07 | |
| 09/19/83 | 5050 | | 16.7C | 128 | | | 0.00 | -- | -- | 0.00 | -- | -- | 0.00 | -- | |
| 1545 | 5050 | | | 8.3 | | | | -- | -- | -- | 0.2 | -- | -- | 0.02 | |
| 10/18/83 | 5050 | | 13.3C | 123 | | | 0.02 | -- | -- | 0.01 | -- | -- | 0.01 | -- | |
| 1345 | 5050 | | | 8.3 | | | | -- | -- | -- | 0.2 | -- | -- | 0.03 | |
| 11/29/83 | 5050 | | 6.1C | 102 | 1AF | | 0.04 | -- | -- | 0.00 | -- | -- | 0.01 | -- | |
| 1600 | 5050 | | | 7.3 | | | | -- | -- | -- | 0.0 | -- | -- | 0.02 | |
| 01/09/84 | 5050 | | 45.0F | 81 | 2AF | | 0.03 | -- | -- | 0.00 | -- | -- | 0.01 | -- | |
| 1415 | 5050 | | 0 | 7.1 | | | | -- | -- | -- | 0.0 | -- | -- | 0.02 | |
| 02/24/84 | 5050 | | 46.0F | 90 | | | 0.02 | -- | -- | 0.02 | -- | -- | 0.01 | -- | |
| 1505 | 5050 | | | 7.4 | | | | -- | -- | -- | 0.0 | -- | -- | 0.01 | |
| 03/28/84 | 5050 | | 52.0F | 93 | | | 0.01 | -- | -- | 0.00 | -- | -- | 0.00 | -- | |
| 1630 | 5050 | | | 7.6 | | | | -- | -- | -- | 0.1 | -- | -- | 0.02 | |

NUTRIENT ANALYSES OF SURFACE WATER

| DATE TIME | SAMP LAB | G.H. Q | TEMP DEPTH | F EC F PH | TURB F CO2 | FIELD P ALK T ALK | D NO2 + NO3 | D NO2 D NO3 | CONSTITUENTS IN MILLIGRAMS PER LITER | | | | | | D O-PO4 T O-PO4 | D TOT P T TOT P | RE1 |
|--------------|-------------|-----------|-------------------------|--------------|---------------|-------------------------|----------------|----------------|--------------------------------------|----------------|------------------|----------------|-----------|-----------|--------------------|--------------------|-----|
| * * * * * | * * * * * | * * * * * | * * * * * | * * * * * | * * * * * | * * * * * | * * * * * | * * * * * | D ORG N T ORG N | D NH3 T NH3 | T NH3 + ORG N | DIS A.H.PO4 | * * * * * | * * * * * | * * * * * | * * * * * | |
| A2 1300.00 | | | SACRAMENTO R A DELTA | | | | | | A2080 CONTINUED | | | | | | | | |
| 05/03/84 | 5050 | | 51.0F | 90 | | | 0.00 | -- | -- | 0.01 | | -- | 0.00 | -- | | | |
| 1315 | 5050 | | | 7.4 | | | | -- | -- | -- | 0.1 | -- | -- | 0.02 | | | |
| 06/18/84 | 5050 | | 69.0F | 110 | | | 0.00 | -- | -- | 0.01 | | -- | 0.00 | -- | | | |
| 1330 | 5050 | | | 8.2 | | | | -- | -- | -- | 0.1 | -- | -- | 0.02 | | | |
| 07/20/84 | 5050 | | 74.0F | 135 | | | 0.01 | -- | -- | 0.01 | | -- | 0.01 | -- | | | |
| 1400 | 5050 | | | 8.3 | | | | -- | -- | -- | 0.1 | -- | -- | 0.02 | | | |
| 08/23/84 | 5050 | | 64.0F | 140 | | | 0.02 | -- | -- | 0.00 | | -- | 0.01 | -- | | | |
| 1330 | 5050 | | 0 | 8.2 | | | | -- | -- | -- | 0.1 | -- | -- | 0.02 | | | |
| 09/19/84 | 5050 | | 72.0F | 143 | 1AF | | 0.02 | -- | -- | 0.01 | | -- | 0.01 | -- | | | |
| 1330 | 5050 | | | 8.3 | | | | -- | -- | -- | 0.1 | -- | -- | 0.03 | | | |
| 10/24/84 | 5050 | | 50.5F | 147 | 1AF | | 0.01 | -- | -- | 0.01 | | -- | 0.01 | -- | | | |
| 1400 | 5050 | | | 7.8 | | | | -- | -- | -- | 0.1 | -- | -- | 0.02 | | | |
| A2 2150.00 | | | MCCLLOUD R AB SHASTA LK | | | | | | A22A1 | | | | | | | | |
| 04/27/83 | 5050 | | 8.3C | 90 | | | 0.02 | -- | -- | 0.00 | | -- | 0.00 | -- | | | |
| 1430 | 5050 | | | 7.3 | | | | -- | -- | -- | 0.0 | -- | -- | 0.02 | | | |
| 06/13/83 | 5050 | | 13.6C | 95 | | | 0.00 | -- | -- | 0.00 | | -- | 0.00 | -- | | | |
| 1250 | 5050 | | | 7.6 | | | | -- | -- | -- | 0.2 | -- | -- | 0.02 | | | |
| 07/13/83 | 5050 | | 17.2C | 112 | | | 0.03 | -- | -- | 0.02 | | -- | 0.00 | -- | | | |
| 1245 | 5050 | | | 8.0 | | | | -- | -- | -- | 0.2 | -- | -- | 0.02 | | | |
| 08/19/83 | 5050 | | 15.3C | 105 | 1AF | | 0.02 | -- | -- | 0.00 | | -- | 0.00 | -- | | | |
| 1115 | 5050 | | | 7.6 | | | | -- | -- | -- | 0.1 | -- | -- | 0.02 | | | |
| 09/19/83 | 5050 | | 14.4C | 100 | | | 0.00 | -- | -- | 0.00 | | -- | 0.00 | -- | | | |
| 1330 | 5050 | | | 8.1 | | | | -- | -- | -- | 0.1 | -- | -- | 0.02 | | | |
| 10/18/83 | 5050 | | 9.2C | 105 | | | 0.03 | -- | -- | 0.01 | | -- | 0.02 | -- | | | |
| 1200 | 5050 | | | 8.1 | | | | -- | -- | -- | 0.1 | -- | -- | 0.03 | | | |
| 11/29/83 | 5050 | | 6.1C | 110 | 1AF | | 0.03 | -- | -- | 0.00 | | -- | 0.01 | -- | | | |
| 1400 | 5050 | | | 7.3 | | | | -- | -- | -- | 0.0 | -- | -- | 0.02 | | | |
| 01/09/84 | 5050 | | 44.0F | 99 | 1AF | | 0.00 | -- | -- | 0.00 | | -- | 0.00 | -- | | | |
| 1330 | 5050 | | 0 | 7.3 | | | | -- | -- | -- | 0.0 | -- | -- | 0.01 | | | |
| 02/22/84 | 5050 | | 6.0C | 115 | 0AF | | 0.02 | -- | -- | -- | | -- | 0.00 | -- | | | |
| 0900 | 5050 | | | 7.8 | | | | -- | -- | -- | 0.2 | -- | -- | 0.01 | | | |
| 02/24/84 | 5050 | | 45.0F | | | | 0.02 | -- | -- | 0.00 | | -- | 0.00 | -- | | | |
| 1320 | 5050 | | | 7.6 | | | | -- | -- | -- | 0.0 | -- | -- | 0.01 | | | |

NUTRIENT ANALYSES OF SURFACE WATER

| DATE TIME | SAMP LAB | G.H. Q | TEMP DEPTH | F EC F PH | TURB F CO2 | FIELD P ALK T ALK | D NO2 + NO3 | D NO2 D NO3 | CONSTITUENTS IN MILLIGRAMS PER LITER | | | | | | D O-PO4 T O-PO4 | D TOT P T TOT P | REM | | | |
|--------------|-------------|-----------|-------------------------|--------------|---------------|-------------------------|----------------|----------------|--------------------------------------|----------------|------------------|----------------|-------|-------|--------------------|--------------------|-----|--|--|--|
| ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | D ORG N T ORG N | D NH3 T NH3 | T NH3 + ORG N | DIS A.H.P04 | ***** | ***** | ***** | ***** | | | | |
| A2 2150.00 | | | MCCLLOUD R AB SHASTA LK | | | | | | A22A1 CONTINUED | | | | | | | | | | | |
| 03/28/84 | 5050 | | 51.0F | 107 | | | 0.00 | -- | -- | 0.00 | | -- | 0.00 | -- | | | | | | |
| 1430 | 5050 | | | 7.6 | | | | -- | -- | -- | 0.2 | -- | -- | 0.03 | | | | | | |
| 05/03/84 | 5050 | | 52.0F | 118 | | | 0.00 | -- | -- | 0.00 | | -- | 0.00 | -- | | | | | | |
| 1120 | 5050 | | | 7.8 | | | | -- | -- | -- | 0.1 | -- | -- | 0.02 | | | | | | |
| 05/18/84 | 5050 | | 13.0C | 164 | 1AF | | 0.02 | -- | -- | -- | | -- | 0.00 | -- | | | | | | |
| 1330 | 5050 | | | | | | | -- | -- | -- | 0.3 | -- | -- | 0.01 | | | | | | |
| 06/12/84 | 5050 | | 13.0C | 181 | 1AF | | 0.02 | -- | -- | -- | | -- | 0.00 | -- | | | | | | |
| 0815 | 5050 | | | 8.4 | | | | -- | -- | -- | 0.3 | -- | -- | 0.01 | | | | | | |
| 06/18/84 | 5050 | | 60.0F | 110 | | | 0.00 | -- | -- | 0.00 | | -- | 0.00 | -- | | | | | | |
| 1200 | 5050 | | | 7.8 | | | | -- | -- | -- | 0.1 | -- | -- | 0.02 | | | | | | |
| 07/20/84 | 5050 | | 64.0F | 107 | | | 0.01 | -- | -- | 0.01 | | -- | 0.00 | -- | | | | | | |
| 1230 | 5050 | | | 8.1 | | | | -- | -- | -- | 0.6 | -- | -- | 0.39 | | | | | | |
| 08/23/84 | 5050 | | 60.0F | 108 | | | 0.02 | -- | -- | 0.00 | | -- | 0.01 | -- | | | | | | |
| 1150 | 5050 | | 0 | 7.9 | | | | -- | -- | -- | 0.0 | -- | -- | 0.02 | | | | | | |
| 09/04/84 | 5050 | | 14.0C | 200 | 1AF | | 0.03 | -- | -- | -- | | -- | 0.00 | -- | | | | | | |
| 0815 | 5050 | | | 7.8 | | | | -- | -- | -- | 0.2 | -- | -- | 0.01 | | | | | | |
| 09/19/84 | 5050 | | 58.0F | 110 | 1AF | | 0.02 | -- | -- | 0.02 | | -- | 0.01 | -- | | | | | | |
| 1200 | 5050 | | | 7.8 | | | | -- | -- | -- | 0.0 | -- | -- | 0.02 | | | | | | |
| 10/23/84 | 5050 | | 11.0C | 205 | 2AF | | 0.02 | -- | -- | -- | | -- | 0.00 | -- | | | | | | |
| 0830 | 5050 | | | 8.0 | | | | -- | -- | -- | 000.3000 | -- | -- | 0.00 | | | | | | |
| 10/24/84 | 5050 | | 47.0F | 110 | 1AF | | 0.01 | -- | -- | 0.01 | | -- | 0.01 | -- | | | | | | |
| 1230 | 5050 | | | 7.5 | | | | -- | -- | -- | 0.0 | -- | -- | 0.02 | | | | | | |
| A2 4100.00 | | | SQUAW C AB SHASTA LK | | | | | | A2280 | | | | | | | | | | | |
| 04/27/83 | 5050 | | 8.3C | 145 | | | 0.00 | -- | -- | 0.00 | | -- | 0.00 | -- | | | | | | |
| 1230 | 5050 | | | 7.4 | | | | -- | -- | -- | 0.0 | -- | -- | 0.02 | | | | | | |
| 06/13/83 | 5050 | | 14.4C | 195 | | | 0.00 | -- | -- | 0.01 | | -- | 0.00 | -- | | | | | | |
| 1030 | 5050 | | | 7.7 | | | | -- | -- | -- | 0.2 | -- | -- | 0.02 | | | | | | |
| 07/13/83 | 5050 | | 18.3C | 212 | | | 0.01 | -- | -- | 0.02 | | -- | 0.00 | -- | | | | | | |
| 1020 | 5050 | | | 7.9 | | | | -- | -- | -- | 1.4 | -- | -- | 0.04 | | | | | | |
| 08/19/83 | 5050 | | 19.4C | 220 | 0AF | | 0.02 | -- | -- | 0.03 | | -- | 0.00 | -- | | | | | | |
| 0915 | 5050 | | | 7.9 | | | | -- | -- | -- | 0.1 | -- | -- | 0.01 | | | | | | |
| 09/19/83 | 5050 | | 16.1C | 225 | | | 0.00 | -- | -- | 0.00 | | -- | 0.00 | -- | | | | | | |
| 1100 | 5050 | | | 7.9 | | | | -- | -- | -- | 0.1 | -- | -- | 0.01 | | | | | | |

NUTRIENT ANALYSES OF SURFACE WATER

| DATE TIME | SAMP LAB | G.H. Q | TEMP DEPTH | F EC F PH | TURB F CO2 | FIELD P ALK T ALK | D NO2 + NO3 | D NO2 D NO3 | CONSTITUENTS IN MILLIGRAMS PER LITER | | | | | | | D O-PO4 T O-PO4 | D TOT P T TOT P | REMARKS |
|--------------|-------------|----------------------|---------------|--------------|---------------|-------------------------|----------------|----------------|--------------------------------------|----------------|------------------|-----------------|-------|-------|-------|--------------------|--------------------|---------|
| ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | D ORG N T ORG N | D NH3 T NH3 | T NH3 + ORG N | DIS A.H.P04 | ***** | ***** | ***** | ***** | | |
| A2 4100.00 | | SQUAW C AB SHASTA LK | | | | | | | | | | A2280 CONTINUED | | | | | | |
| 10/18/83 | 5050 | | 9.7C | 230 | | | 0.00 | -- | -- | 0.03 | | -- | 0.00 | -- | | | | |
| 1000 | 5050 | | | 7.7 | | | | -- | -- | -- | 0.1 | -- | -- | -- | | 0.01 | | |
| 11/29/83 | 5050 | | 6.7C | 185 | 0AF | | 0.00 | -- | -- | 0.00 | | -- | 0.00 | -- | | | | |
| 1200 | 5050 | | | 7.5 | | | | -- | -- | -- | 0.0 | -- | -- | -- | | 0.01 | | |
| 01/09/84 | 5050 | | 48.0F | 130 | 1AF | | 0.01 | -- | -- | 0.02 | | -- | 0.00 | -- | | | | |
| 1100 | 5050 | | 0 | 6.7 | | | | -- | -- | -- | 0.1 | -- | -- | -- | | 0.02 | | |
| 02/24/84 | 5050 | | 45.0F | 175 | | | 0.01 | -- | -- | 0.00 | | -- | 0.00 | -- | | | | |
| 1125 | 5050 | | | 7.5 | | | | -- | -- | -- | 0.0 | -- | -- | -- | | 0.00 | | |
| 03/28/84 | 5050 | | 49.0F | 182 | | | 0.01 | -- | -- | 0.01 | | -- | 0.00 | -- | | | | |
| 1300 | 5050 | | | 7.8 | | | | -- | -- | -- | 0.0 | -- | -- | -- | | 0.02 | | |
| 05/03/84 | 5050 | | 50.0F | 195 | | | 0.00 | -- | -- | 0.00 | | -- | -- | -- | | | | |
| 0945 | | | 0 | 7.4 | | | | -- | -- | -- | 0.0 | -- | -- | -- | | -- | | |
| 06/18/84 | 5050 | | 62.0F | 220 | | | 0.00 | -- | -- | 0.00 | | -- | 0.00 | -- | | | | |
| 1015 | 5050 | | | 7.9 | | | | -- | -- | -- | 0.1 | -- | -- | -- | | 0.02 | | |
| 07/20/84 | 5050 | | 70.0F | 225 | | | 0.01 | -- | -- | 0.02 | | -- | 0.00 | -- | | | | |
| 1100 | 5050 | | | 8.0 | | | | -- | -- | -- | 0.1 | -- | -- | -- | | 0.02 | | |
| 08/23/84 | 5050 | | 63.0F | 228 | | | 0.02 | -- | -- | 0.00 | | -- | 0.00 | -- | | | | |
| 1000 | 5050 | | 0 | 7.8 | | | | -- | -- | -- | 0.0 | -- | -- | -- | | 0.01 | | |
| 09/19/84 | 5050 | | 62.0F | 219 | 1AF | | 0.01 | -- | -- | 0.01 | | -- | 0.00 | -- | | | | |
| 1030 | 5050 | | | 7.6 | | | | -- | -- | -- | 0.1 | -- | -- | -- | | 0.02 | | |
| 10/24/84 | 5050 | | 47.5F | 199 | 1AF | | 0.00 | -- | -- | 0.01 | | -- | 0.00 | -- | | | | |
| 1100 | 5050 | | | 7.3 | | | | -- | -- | -- | 0.0 | -- | -- | -- | | 0.02 | | |

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. Q DEPTH | DD SAT | TEMP | FIELD LABORATORY PH EC | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER | | | | MILLIGRAMS PER LITER | | | | REY | | | | | | |
|--------------|----------------|--------------------|----------------------|-------|------------------------------|-------------------------|-------|-----|-----|--|-----|-----|--------------|----------------------|-----------|------------|-----------|-----|-------------|--|--|--|--|---|
| | | | | | | CA | MG | NA | K | PERCENT CACO3 | SD4 | CL | VALUE NO3 | B TURB | F SIO2 | TDS SUM | TH NCH | | SAR ASAR | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| ***** | | | | | | | | | | | | | | | | | | | | | | | | |
| AO | | 2100.00 | SACRAMENTO R A SACTO | | | | A05A2 | | | | | | | | | | | | | | | | | |
| 04/28/83 | 5050 | | 10.6 | 52.0F | 7.2 | 80 | 7.0 | 3.0 | 4.0 | .7 | 29 | 3.0 | 2.0 | -- | .1 | -- | | 30 | 0.3 | | | | | |
| 1000 | 5050 | | 96 | 11.1C | | | .35 | .25 | .17 | .02 | .58 | .06 | .06 | -- | 15AF | -- | 37 | 1 | 0.2 | | | | | |
| | | | | | | | 44 | 32 | 22 | 3 | | | | | | | | | | | | | | S |
| 06/16/83 | 5050 | | 10.0 | 60.8F | 6.9 | 88 | 8.0 | 3.0 | 5.0 | 1.1 | -- | 3.0 | 3.0 | -- | .0 | -- | | 32 | 0.0 | | | | | |
| 1000 | 5050 | | 101 | 16.0C | | | .40 | .25 | .22 | .03 | | .06 | .08 | -- | | -- | | | | | | | | |
| | | | | | | | 44 | 28 | 24 | 3 | | | | | | | | | | | | | | S |
| 07/14/83 | 5050 | | 9.2 | 64.9F | 7.2 | 96 | 7.0 | 4.0 | 5.0 | .8 | -- | 5.0 | 2.0 | -- | .0 | -- | | 34 | 0.0 | | | | | |
| 1040 | 5050 | | 97 | 18.3C | | | .35 | .33 | .22 | .02 | | .10 | .06 | -- | 8AF | -- | | | | | | | | |
| | | | | | | | 38 | 36 | 24 | 2 | | | | | | | | | | | | | | S |
| 08/16/83 | 5050 | | 8.6 | 69.1F | 8.1 | 100 | 8.0 | 4.0 | 5.0 | .8 | -- | 5.0 | 3.0 | -- | .0 | -- | | 36 | 0.0 | | | | | |
| 1000 | 5050 | | 95 | 20.6C | | | .40 | .33 | .22 | .02 | | .10 | .08 | -- | 7AF | -- | | | | | | | | |
| | | | | | | | 41 | 34 | 23 | 2 | | | | | | | | | | | | | | S |
| 09/20/83 | 5050 | | 9.0 | 66.0F | 7.3 | 98 | 7.0 | 4.0 | 5.0 | .7 | -- | 4.0 | 3.0 | -- | .0 | -- | | 34 | 0.0 | | | | | |
| 1100 | 5050 | | 96 | 18.9C | | | .35 | .33 | .22 | .02 | | .08 | .08 | -- | 12AF | -- | | | | | | | | |
| | | | | | | | 38 | 36 | 24 | 2 | | | | | | | | | | | | | | S |
| 10/19/83 | 5050 | | 9.4 | 61.5F | 7.2 | 79 | 6.0 | 3.0 | 4.0 | .7 | -- | 4.0 | 2.0 | -- | .0 | -- | | 28 | 0.0 | | | | | |
| 1100 | 5050 | | 96 | 16.4C | | | .30 | .25 | .17 | .02 | | .08 | .06 | -- | 3AF | -- | | | | | | | | |
| | | | | | | | 41 | 34 | 23 | 3 | | | | | | | | | | | | | | S |
| 11/29/83 | 5050 | | 10.6 | 52.0F | 7.6 | 58 | 5.0 | 2.0 | 2.0 | .7 | -- | 3.0 | 1.0 | -- | .0 | -- | | 20 | 0.0 | | | | | |
| 1100 | 5050 | | 96 | 11.1C | | | .25 | .16 | .09 | .02 | | .06 | .03 | -- | 17AF | -- | | | | | | | | |
| | | | | | | | 48 | 31 | 17 | 4 | | | | | | | | | | | | | | S |
| 01/10/84 | 5050 | | 11.3 | 48.2F | 7.1 | 85 | 8.0 | 4.0 | 4.0 | .8 | -- | 4.0 | 3.0 | -- | .0 | -- | | 36 | 0.0 | | | | | |
| 1100 | 5050 | | 98 | 9.0C | | | .40 | .33 | .17 | .02 | | .08 | .08 | -- | 13AF | -- | | | | | | | | |
| | | | | | | | 43 | 36 | 18 | 2 | | | | | | | | | | | | | | S |
| 02/22/84 | 5050 | | 11.6 | 49.0F | 7.1 | 75 | 7.0 | 3.0 | 3.0 | .7 | -- | 5.0 | 2.0 | -- | .0 | -- | | 30 | 0.0 | | | | | |
| 1110 | 5050 | | 101 | 9.4C | | | .35 | .25 | .13 | .02 | | .10 | .06 | -- | 7AF | -- | | | | | | | | |
| | | | | | | | 47 | 33 | 17 | 3 | | | | | | | | | | | | | | S |
| 04/02/84 | 5050 | | 10.8 | 54.0F | 7.3 | 100 | 9.0 | 4.0 | 5.0 | .8 | -- | 4.0 | 4.0 | -- | .2 | -- | | 39 | 0.0 | | | | | |
| 1325 | 5050 | | 100 | 12.2C | | | .45 | .33 | .22 | .02 | | .08 | .11 | -- | | -- | | | | | | | | |
| | | | | | | | 44 | 32 | 22 | 2 | | | | | | | | | | | | | | S |
| 05/01/84 | 5050 | | 9.8 | 56.0F | 7.4 | 112 | 9.0 | 4.0 | 5.0 | .8 | -- | 6.0 | 4.0 | -- | .1 | -- | | 39 | 0.0 | | | | | |
| 1010 | 5050 | | 93 | 13.3C | | | .45 | .33 | .22 | .02 | | .12 | .11 | -- | 10AF | -- | | | | | | | | |
| | | | | | | | 44 | 32 | 22 | 2 | | | | | | | | | | | | | | S |

MINERAL ANALYSES OF SURFACE WATER

[illegible]

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. O DEPTH | DO SAT | TEMP | FIELD LABORATORY PH EC | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER | | | | MILLIGRAMS PER LITER | | | | | REMARKS |
|--|----------------|--------------------|-------------|----------------|------------------------------|-------------------------|------------------|------------------|-----------------|--|------------------|-------------|-----|----------------------|-----------|-----------------|-----------|-------------|---------|
| | | | | | | CA | MG | NA | K | PERCENT CACO3 | REACTANCE SO4 | VALUE CL | NO3 | TURB | B SIO2 | F TDS SUM | TH NCH | SAR ASAR | |
| ***** | | | | | | | | | | | | | | | | | | | |
| AO 2230.02 SACRAMENTO R AB COLUSA BASIN DR A07A0 CONTINUED | | | | | | | | | | | | | | | | | | | |
| 09/20/83 1250 | 5050 5050 | | 8.9 98 | 69.1F 20.6C | 7.4 165 | 12 .60 37 | 7.0 .58 36 | 9.0 .39 24 | 1.4 .04 2 | -- | 12 .25 | 5.0 .14 | -- | -- 8AF | -- | | 59 | 0.0 | S |
| 09/28/83 1235 | 5050 0000 | 22.64 | 9.4 99 | 64.4F 18.0C | 7.4 120 | -- | -- | -- | -- | -- | -- | -- | -- | -- -- | -- | | | | |
| 10/19/83 1220 | 5050 5050 | | 9.6 95 | 59.5F 15.3C | 7.4 137 | 10 .50 39 | 6.0 .49 39 | 6.0 .26 20 | .8 .02 2 | -- | 6.0 .12 | 3.0 .08 | -- | .0 3AF | -- | | 50 | 0.0 | S |
| 10/26/83 0730 | 5050 5050 | 20.94 | 9.7 97 | 59.9F 15.5C | 7.4 124 | -- | -- | -- | -- | -- | -- | -- | -- | -- 7AF | -- | | | | |
| 11/29/83 1200 | 5050 5050 | | 10.7 96 | 51.4F 10.8C | 7.3 159 | 13 .65 39 | 7.0 .58 35 | 9.0 .39 24 | 1.2 .03 2 | -- | 9.0 .19 | 5.0 .14 | -- | .0 46AF | -- | | 62 | 0.0 | S |
| 11/29/83 1230 | 5050 5050 | 36.68 | 10.8 97 | 50.9F 10.5C | 7.4 165 | -- | -- | -- | -- | -- | -- | -- | -- | -- 38AF | -- | | | | |
| 01/03/84 1435 | 5050 5050 | 38.78 | 11.8 103 | 49.1F 9.5C | 7.2 136 | -- | -- | -- | -- | -- | -- | -- | -- | -- 50AF | -- | | | | |
| 01/10/84 1130 | 5050 5050 | | 11.0 95 | 48.0F 8.9C | 7.3 158 | 14 .70 41 | 7.0 .58 34 | 9.0 .39 23 | 1.1 .03 2 | -- | 12 .25 | 5.0 .14 | -- | .0 23AF | -- | | 64 | 0.0 | S |
| 01/25/84 1330 | 5050 5050 | 29.74 | 11.4 98 | 48.2F 9.0C | 7.4 149 | -- | -- | -- | -- | -- | -- | -- | -- | -- 15AF | -- | | | | |
| 02/22/84 1220 | 5050 5050 | | 11.0 98 | 51.0F 10.5C | 7.3 160 | 13 .65 38 | 8.0 .66 39 | 8.0 .35 21 | 1.0 .03 2 | -- | 11 .23 | 5.0 .14 | -- | .0 12AF | -- | | 66 | 0.0 | S |
| 02/27/84 1120 | 5050 5050 | | 11.5 102 | 50.0F 10.0C | 7.7 160 | -- | -- | -- | -- | -- | -- | -- | -- | -- 9AF | -- | | | | |
| 03/27/84 1230 | 5050 5050 | | 10.7 102 | 56.0F 13.3C | 7.4 150 | 12 .60 41 | 6.0 .49 33 | 8.0 .35 24 | 1.2 .03 2 | -- | 8.0 .17 | 4.0 .11 | -- | .1 11AF | -- | | 54 | 0.0 | |

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. Q DEPTH | DO SAT | TEMP | FIELD LABORATORY PH EC | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER | | | | MILLIGRAMS PER LITER | | | | | |
|--------------|----------------|--------------------|---------------------------------|-------|------------------------------|-------------------------|-----|-----|-----|--|----|-----|-----------------|----------------------|------|-----|-----|------|-----|
| | | | | | | CA | MG | NA | K | PERCENT REACTANCE VALUE | | | | B | F | TDS | TH | SAR | REM |
| | | | | | | CAC03 | SD4 | CL | NO3 | | | | | TURB | SI02 | SUM | NCH | ASAR | |
| ***** | | | | | | | | | | | | | | | | | | | |
| AO 2230.02 | | | SACRAMENTO R AB COLUSA BASIN DR | | | | | | | | | | A07A0 CONTINUED | | | | | | |
| 03/28/84 | 5050 | | 10.7 | 55.4F | 7.7 | 145 | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| 1240 | 5050 | | 101 | 13.0C | | | | | | | | | | | 6AF | -- | | | |
| 04/24/84 | 5050 | | 9.5 | 64.4F | 7.6 | 164 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 1330 | 5050 | | 100 | 18.0C | | | | | | | | | | | 16AF | -- | | | |
| 05/01/84 | 5050 | | 9.9 | 58.0F | 7.5 | 160 | 13 | 6.0 | 7.0 | 1.2 | -- | 8.0 | 4.0 | -- | .1 | -- | | 57 | 0.0 |
| 1120 | 5050 | 0 | 97 | 14.4C | | | .65 | .49 | .30 | .03 | | .17 | .11 | | 8AF | -- | | | |
| | | | | | | | 44 | 33 | 20 | 2 | | | | | | | | | S |
| 05/30/84 | 5050 | | 8.5 | 73.4F | 7.6 | 172 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 1055 | 5050 | | 98 | 23.0C | | | | | | | | | | | 8AF | -- | | | |
| 06/18/84 | 5050 | | 8.3 | 74.3F | 7.4 | 151 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 1015 | 5050 | | 97 | 23.5C | | | | | | | | | | | 12AF | -- | | | |
| 07/24/84 | 5050 | | 9.0 | 66.2F | 7.5 | 142 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 1105 | 5050 | | 96 | 19.0C | | | | | | | | | | | 8AF | -- | | | |
| 08/21/84 | 5050 | | 8.3 | 69.8F | 7.8 | 160 | -- | -- | 11 | -- | -- | -- | 5.0 | -- | -- | -- | | | |
| 0615 | 5050 | | 92 | 21.0C | | 161 | | .48 | | | | | .14 | | 10A | -- | | | S |
| 08/21/84 | 5050 | | 8.4 | 71.6F | 7.5 | 170 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 1125 | 5050 | | 95 | 22.0C | | | | | | | | | | | 6AF | -- | | | |
| 09/25/84 | 5050 | | 9.5 | 64.4F | 7.7 | 132 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 1225 | 5050 | | 100 | 18.0C | | | | | | | | | | | 7AF | -- | | | |
| 10/30/84 | 5050 | | 10.3 | 57.2F | 7.7 | 147 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 1045 | 5050 | | 100 | 14.0C | | | | | | | | | | | 3AF | -- | | | |

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. Q DEPTH | DO SAT | TEMP | FIELD LABORATORY PH EC | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER | | | | MILLIGRAMS PER LITER | | | | REMARKS | |
|------------------|----------------|--------------------|-------------|-----------------|------------------------------|------------------------------------|------------------|------------------|-----------------|--|------------------|-------------|----------|----------------------|-----------|------------|-----------|------------|-------------|
| | | | | | | CA | MG | NA | K | PERCENT CACO3 | REACTANCE SD4 | VALUE CL | NO3 | TURB | F SDI2 | TDS SUM | TH NCH | | SAR ASAR |
| | | | | | | | | | | | | | | | | | | | |
| AD 2320.00 | | | | | | SACRAMENTO R A R-D 70 PP NR GRIMES | | | | A07A0 | | | | | | | | | |
| 04/28/83 1330 | 5050 5050 | | 9.9 93 | 55.0F 12.8C | 7.3 150 | 13 .65 43 | 7.0 .58 38 | 6.0 .26 17 | .9 .02 1 | 56 1.12 | 8.0 .17 | 3.0 .08 | -- -- | .0 34AF | -- -- | 71 | 62 6 | 0.3 0.4 | S |
| 06/16/83 1300 | 5050 5050 | | 9.6 101 | 64.4F 18.0C | 7.3 119 | 11 .55 46 | 5.0 .41 34 | 5.0 .22 18 | .9 .02 2 | -- | 8.0 .17 | 3.0 .08 | -- -- | .0 -- | -- -- | | 48 | 0.0 | S |
| 07/14/83 1245 | 5050 5050 | | 9.2 101 | 68.0F 20.0C | 7.5 115 | 10 .50 43 | 5.0 .41 36 | 5.0 .22 19 | .9 .02 2 | -- | 6.0 .12 | 2.0 .06 | -- -- | .0 12AF | -- -- | | 46 | 0.0 | S |
| 08/16/83 1230 | 5050 5050 | | 9.2 102 | 69.1F 20.6C | 7.4 115 | 9.0 .45 41 | 5.0 .41 37 | 5.0 .22 20 | .9 .02 2 | -- | 5.0 .10 | 2.0 .06 | -- -- | .0 5AF | -- -- | | 43 | 0.0 | S |
| 09/20/83 1345 | 5050 5050 | | 9.0 96 | 66.0F 18.9C | 7.5 135 | 10 .50 39 | 6.0 .49 38 | 6.0 .26 20 | 1.0 .03 2 | -- | 5.0 .10 | 3.0 .08 | -- -- | .1 7AF | -- -- | | 50 | 0.0 | S |
| 10/19/83 1315 | 5050 5050 | | 9.8 97 | 59.0F 15.0C | 7.3 137 | 10 .50 39 | 6.0 .49 39 | 6.0 .26 20 | .8 .02 2 | -- | 6.0 .12 | 3.0 .08 | -- -- | .0 3AF | -- -- | | 50 | 0.0 | S |
| 11/29/83 1300 | 5050 5050 | | 10.8 97 | 51.1F 10.6C | 7.3 147 | 13 .65 43 | 6.0 .49 32 | 8.0 .35 23 | 1.1 .03 2 | -- | 8.0 .17 | 4.0 .11 | -- -- | .0 38AF | -- -- | | 57 | 0.0 | S |
| 01/10/84 1215 | 5050 5050 | | 11.1 192 | 120.2F 49.0C | 7.3 130 | 12 .60 43 | 6.0 .49 36 | 6.0 .26 19 | 1.0 .03 2 | -- | 10 .21 | 3.0 .08 | -- -- | .0 23AF | -- -- | | 54 | 0.0 | S |
| 02/22/84 1305 | 5050 5050 | | 11.0 99 | 51.0F 10.5C | 7.3 153 | 13 .65 42 | 7.0 .58 37 | 7.0 .30 19 | 1.0 .03 2 | -- | 10 .21 | 4.0 .11 | -- -- | .0 12AF | -- -- | | 62 | 0.0 | S |
| 03/27/84 1145 | 5050 5050 | | 10.5 99 | 55.0F 12.8C | 7.4 140 | 12 .60 42 | 6.0 .49 35 | 7.0 .30 21 | 1.2 .03 2 | -- | 7.0 .15 | 3.0 .08 | -- -- | .1 9AF | -- -- | | 54 | 0.0 | S |
| 05/01/84 1200 | 5050 5050 | 0 | 10.2 100 | 58.0F 14.4C | 7.4 150 | 13 .65 44 | 6.0 .49 33 | 7.0 .30 20 | 1.2 .03 2 | -- | 7.0 .15 | 4.0 .11 | -- -- | .0 4AF | -- -- | | 57 | 0.0 | S |

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. Q DEPTH | DO SAT | TEMP | FIELD LABORATORY PH EC | MINERAL CONSTITUENTS IN | | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER | | | | MILLIGRAMS PER LITER | | | | | REMARKS |
|--------------|----------------|---------------------------|-----------|-------|------------------------------|-------------------------|-----|-----|-----|-------------------------|--|-------|-----|------|----------------------|------------|-----------|-------------|-----|---------|
| | | | | | | CA | MG | NA | K | PERCENT REACTANCE VALUE | | | | TURB | F SIO2 | TDS SUM | TH NCH | SAR ASAR | | |
| | | | | | | | | | | CACO3 | SO4 | CL | NO3 | | | | | | | |
| ***** | | | | | | | | | | | | | | | | | | | | |
| AO 2500.00 | | SACRAMENTO R A BUTTE CITY | | | | | | | | | | A0700 | | | | | | | | |
| 04/28/83 | 5050 | | 10.3 | 54.0F | 7.3 | 140 | 12 | 7.0 | 6.0 | 1.0 | 55 | 8.0 | 3.0 | -- | .1 | -- | | 59 | 0.3 | |
| 1430 | 5050 | | 96 | 12.2C | | | .60 | .58 | .26 | .03 | 1.10 | .17 | .08 | -- | 62AF | -- | 70 | 4 | 0.4 | |
| | | | | | | | 41 | 39 | 18 | 2 | | | | | | | | | | |
| 05/25/83 | 5050 | 76.74 | 10.0 | 62.6F | 7.4 | 113 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| 0845 | 5050 | | 103 | 17.0C | | | | | | | | | | | 31AF | -- | | | | |
| 07/26/83 | 5050 | 73.64 | 9.6 | 62.6F | 7.4 | 111 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| 0805 | 5050 | | 99 | 17.0C | | | | | | | | | | | 5AF | -- | | | | |
| 09/28/83 | 5050 | | 9.6 | 59.9F | 7.3 | 114 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| 0820 | 0000 | | 96 | 15.5C | | | | | | | | | | | | | | | | |
| 10/25/83 | 5050 | | 9.8 | 58.1F | 7.4 | 128 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| 0825 | 5050 | | 96 | 14.5C | | | | | | | | | | | 2AF | -- | | | | |
| 11/29/83 | 5050 | | 10.8 | 50.9F | 7.3 | 147 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| 0835 | 5050 | 27800 | 97 | 10.5C | | | | | | | | | | | 13AF | -- | | | | |
| 01/03/84 | 5050 | | 12.1 | 48.2F | 7.1 | 143 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| 1050 | 5050 | 48200 | 105 | 9.0C | | | | | | | | | | | 33AF | -- | | | | |
| 01/25/84 | 5050 | | 11.3 | 48.2F | 7.2 | 156 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| 0950 | 5050 | 17300 | 98 | 9.0C | | | | | | | | | | | 9AF | -- | | | | |
| 02/27/84 | 5050 | | 11.6 | 48.2F | 7.3 | 156 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| 0835 | 5050 | 11800 | 100 | 9.0C | | | | | | | | | | | 6AF | -- | | | | |
| 03/28/84 | 5050 | | 10.4 | 55.4F | 7.5 | 148 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| 0915 | 5050 | 15700 | 99 | 13.0C | | | | | | | | | | | 7AF | -- | | | | |
| 04/24/84 | 5050 | | 9.9 | 59.0F | 7.6 | 161 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| 0955 | 5050 | | 98 | 15.0C | | | | | | | | | | | 22AF | -- | | | | |
| 05/30/84 | 5050 | | 9.1 | 67.1F | 7.4 | 138 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| 0815 | 5050 | 7080 | 99 | 19.5C | | | | | | | | | | | 5AF | -- | | | | |

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. Q DEPTH | DO SAT | TEMP | FIELD LABORATORY PH EC | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER | | | | MILLIGRAMS PER LITER | | | | | REMARKS |
|------------------|----------------|------------------------------|-------------|----------------|------------------------------|-------------------------|------------------|------------------|-----------------|--|------------------|-----------------|-----|----------------------|-----------|-----------------|-----------|-------------|------------|
| | | | | | | CA | MG | NA | K | PERCENT CACO3 | REACTANCE SO4 | VALUE CL | NO3 | TURB | B SIO2 | F TDS SUM | TH NCM | SAR ASAR | |
| ***** | | | | | | | | | | | | | | | | | | | |
| AO 2500.00 | | SACRAMENTO R A BUTTE CITY | | | | | | | | | | AO700 CONTINUED | | | | | | | |
| 06/18/84 0735 | 5050 5050 | 7370 | 9.2 99 | 66.2F 19.0C | 7.4 135 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 4AF | -- | | |
| 07/24/84 0800 | 5050 5050 | 9900 | 10.0 103 | 62.6F 17.0C | 7.3 119 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 17AF | -- | | |
| 08/21/84 0810 | 5050 5050 | 7960 | 9.3 98 | 64.4F 18.0C | 7.5 129 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 3AF | -- | | |
| 09/25/84 0925 | 5050 5050 | | 9.7 94 | 57.2F 14.0C | 7.4 143 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 5AF | -- | | |
| AO 2630.00 | | SACRAMENTO R A HAMILTON CITY | | | | | | | | | | A1380 | | | | | | | |
| 04/28/83 1515 | 5050 5050 | | 10.3 95 | 53.1F 11.7C | 7.3 120 | 10 .50 40 | 6.0 .49 40 | 5.0 .22 18 | 1.0 .03 2 | 46 .92 | 7.0 .15 | 2.0 .06 | -- | .0 52AF | -- | | 59 | 50 4 | 0.3 0.3 |
| 06/16/83 1445 | 5050 5050 | | 10.2 106 | 63.0F 17.2C | 7.0 108 | 10 .50 43 | 5.0 .41 35 | 5.0 .22 19 | 1.0 .03 3 | -- | 6.0 .12 | 2.0 .06 | -- | .0 -- | -- | | 46 | 0.0 | |
| 07/14/83 1500 | 5050 5050 | | 10.1 104 | 62.4F 16.9C | 7.4 110 | 9.0 .45 41 | 5.0 .41 37 | 5.0 .22 20 | .9 .02 2 | -- | 6.0 .12 | 2.0 .06 | -- | .1 -- | -- | | 43 | 0.0 | |
| 07/26/83 0715 | 5050 5050 | 30.74 | 10.0 99 | 59.0F 15.0C | 7.6 105 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 3AF | -- | | |
| 08/16/83 1430 | 5050 5050 | | 10.0 104 | 63.0F 17.2C | 7.4 105 | 9.0 .45 41 | 5.0 .41 37 | 5.0 .22 20 | .9 .02 2 | -- | 4.0 .08 | 2.0 .06 | -- | .0 3AF | -- | | 43 | 0.0 | |
| 09/20/83 1600 | 5050 5050 | | 10.1 105 | 63.0F 17.2C | 7.5 120 | 9.0 .45 37 | 6.0 .49 40 | 6.0 .26 21 | .9 .02 2 | -- | 4.0 .08 | 3.0 .08 | -- | .0 3AF | -- | | 47 | 0.0 | |
| 09/28/83 0745 | 5050 0000 | 30.69 | 10.0 98 | 58.1F 14.5C | 7.4 109 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.W. Q DEPTH | DO SAT | TEMP | FIELD LABORATORY PH EC | | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER | | | | MILLIGRAMS PER LITER | | | | | RE4 |
|--------------|----------------|--------------------|-----------|--------|------------------------------|-----|------------------------------|-----|-----|-----|--|-----|-----|-----------------|----------------------|-----------|------------|-----------|-------------|-----|
| | | | | | | | CA | MG | NA | K | CACO3 | SD4 | CL | NO3 | B TURB | F SIO2 | TDS SUM | TH MCH | SAR ASAR | |
| | | | | | | | | | | | | | | | | | | | | |
| ***** | | | | | | | | | | | | | | | | | | | | |
| AD 2630.00 | | | | | | | SACRAMENTO R A HAMILTON CITY | | | | | | | A1380 CONTINUED | | | | | | |
| 10/19/83 | 5050 | | 10.5 | 57.9F | 7.3 | 119 | 9.0 | 5.0 | 6.0 | .8 | -- | 6.0 | 3.0 | -- | .0 | -- | | 43 | 0.0 | |
| 1530 | 5050 | | 103 | 14.4C | | | .45 | .41 | .26 | .02 | | .12 | .08 | | 2AF | -- | | | | |
| | | | | | | | 39 | 36 | 23 | 2 | | | | | | | | | | S |
| 10/25/83 | 5050 | 29.76 | 9.8 | 59.0F | 7.5 | 116 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| 0735 | 5050 | | 97 | 15.0C | | | | | | | | | | | 2AF | -- | | | | |
| 11/29/83 | 5050 | 33.50 | 11.5 | 50.9F | 7.3 | 131 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| 0800 | 5050 | | 103 | 10.5C | | | | | | | | | | | 6AF | -- | | | | |
| 11/29/83 | 5050 | | 10.6 | 52.0F | 7.3 | 120 | 10 | 5.0 | 7.0 | 1.1 | -- | 5.0 | 3.0 | -- | .0 | -- | | 46 | 0.0 | |
| 1505 | 5050 | | 96 | 11.1C | | | .50 | .41 | .30 | .03 | | .10 | .08 | | 9AF | -- | | | | S |
| | | | | | | | 40 | 33 | 24 | 2 | | | | | | | | | | |
| 01/03/84 | 5050 | 35.88 | 12.0 | 48.2F | 7.1 | 126 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| 1000 | 5050 | | 104 | 9.0C | | | | | | | | | | | 10AF | -- | | | | |
| 01/10/84 | 5050 | | 11.3 | 118.4F | 7.3 | 124 | 12 | 5.0 | 6.0 | 1.1 | -- | 7.0 | 3.0 | -- | .0 | -- | | 50 | 0.0 | |
| 1415 | 5050 | | 194 | 48.0C | | | .60 | .41 | .26 | .03 | | .15 | .08 | | 12AF | -- | | | | S |
| | | | | | | | 46 | 32 | 20 | 2 | | | | | | | | | | |
| 01/25/84 | 5050 | 31.45 | 11.6 | 47.3F | 7.2 | 130 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| 0850 | 5050 | | 99 | 8.5C | | | | | | | | | | | 6AF | -- | | | | |
| 02/22/84 | 5050 | | 11.5 | 49.0F | 7.2 | 127 | 11 | 6.0 | 6.0 | 1.0 | -- | 8.0 | 4.0 | -- | .1 | -- | | 52 | 0.0 | |
| 1505 | 5050 | | 101 | 9.4C | | | .55 | .49 | .26 | .03 | | .17 | .11 | | 9AF | -- | | | | S |
| | | | | | | | 41 | 37 | 20 | 2 | | | | | | | | | | |
| 02/27/84 | 5050 | 30.50 | 12.1 | 48.2F | 7.2 | 137 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| 0800 | 5050 | | 105 | 9.0C | | | | | | | | | | | 4AF | -- | | | | |
| 03/27/84 | 5050 | | 11.0 | 51.5F | 7.3 | 135 | 12 | 5.0 | 7.0 | 1.2 | -- | 7.0 | 3.0 | -- | .1 | -- | | 50 | 0.0 | |
| 1000 | 5050 | | 99 | 10.8C | | | .60 | .41 | .30 | .03 | | .15 | .08 | | 4AF | -- | | | | S |
| | | | | | | | 45 | 31 | 22 | 2 | | | | | | | | | | |
| 03/28/84 | 5050 | 31.51 | 11.1 | 53.6F | 7.5 | 134 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| 0830 | 5050 | | 103 | 12.0C | | | | | | | | | | | 4AF | -- | | | | |
| 04/24/84 | 5050 | 29.21 | 10.3 | 57.2F | 7.4 | 140 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| 0905 | 5050 | | 100 | 14.0C | | | | | | | | | | | 2AF | -- | | | | |

MINERAL ANALYSES OF SURFACE WATER

[illegible]

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. Q DEPTH | DO SAT | TEMP | FIELD LABORATORY PH EC | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE | | | | MILLIGRAMS PER LITER | | | | | SAR ASAR | REM | |
|--------------|----------------|------------------------|-----------|-------|------------------------------|-------------------------|-----|-----|-----|---|-----|-----------------|-----|----------------------|-----------|------------|-----------|----|-------------|-----|--|
| | | | | | | CA | MG | NA | K | CACO3 | SO4 | CL | NO3 | TURB | F SIO2 | TDS SUM | TH MCM | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| AO 2731.00 | | SACRAMENTO R A TEHAMA | | | | | | | | | | A1380 CONTINUED | | | | | | | | | |
| 10/19/83 | 5050 | | 10.5 | 58.5F | 7.3 | 112 | 9.0 | 5.0 | 5.0 | .8 | -- | 5.0 | 3.0 | -- | .0 | -- | | 43 | 0.0 | | |
| 1700 | 5050 | | 104 | 14.7C | | | .45 | .41 | .22 | .02 | | .10 | .08 | | 2AF | -- | | | | S | |
| | | | | | | | 41 | 37 | 20 | 2 | | | | | | | | | | | |
| 12/01/83 | 5050 | | 10.7 | 53.4F | 7.2 | 123 | 10 | 6.0 | 7.0 | 1.1 | -- | 5.0 | 3.0 | -- | .0 | -- | | 50 | 0.0 | | |
| 0915 | 5050 | | 99 | 11.9C | | | .50 | .49 | .30 | .03 | | .10 | .08 | | 5AF | -- | | | | S | |
| | | | | | | | 38 | 37 | 23 | 2 | | | | | | | | | | | |
| 01/10/84 | 5050 | | 11.3 | 48.0F | 7.2 | 125 | 12 | 6.0 | 6.0 | 1.0 | -- | 7.0 | 3.0 | -- | .0 | -- | | 54 | 0.0 | | |
| 1145 | 5050 | | 98 | 8.9C | | | .60 | .49 | .26 | .03 | | .15 | .08 | | 11AF | -- | | | | S | |
| | | | | | | | 43 | 36 | 19 | 2 | | | | | | | | | | | |
| 02/23/84 | 5050 | | 11.8 | 45.0F | 7.3 | 140 | 12 | 7.0 | 6.0 | .9 | -- | 9.0 | 4.0 | -- | .0 | -- | | 59 | 0.0 | | |
| 0830 | 5050 | | 98 | 7.2C | | | .60 | .58 | .26 | .02 | | .19 | .11 | | 6AF | -- | | | | S | |
| | | | | | | | 41 | 40 | 18 | 1 | | | | | | | | | | | |
| 03/27/84 | 5050 | | 11.0 | 51.0F | 7.4 | 137 | 11 | 6.0 | 7.0 | 1.2 | -- | 6.0 | 3.0 | -- | .1 | -- | | 52 | 0.0 | | |
| 0820 | 5050 | | 99 | 10.5C | | | .55 | .49 | .30 | .03 | | .12 | .08 | | 4AF | -- | | | | S | |
| | | | | | | | 40 | 36 | 22 | 2 | | | | | | | | | | | |
| 05/04/84 | 5050 | | 11.0 | 54.5F | 7.4 | 138 | 11 | 5.0 | 6.0 | 1.2 | -- | 6.0 | 4.0 | -- | .1 | -- | | 48 | 0.0 | | |
| 0815 | 5050 | | 104 | 12.5C | | | .55 | .41 | .26 | .03 | | .12 | .11 | | 4AF | -- | | | | S | |
| | | 0 | | | | | 44 | 33 | 21 | 2 | | | | | | | | | | | |
| AO 2785.00 | | SACRAMENTO R A BEND BR | | | | | | | | | | A17A0 | | | | | | | | | |
| 04/12/83 | 5050 | 21.21 | 11.0 | 49.1F | 7.3 | 129 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | | |
| 0905 | 0000 | | 97 | 9.5C | | | | | | | | | | | 22AF | -- | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 05/11/83 | 5050 | 25.87 | 11.9 | 50.0F | 7.3 | 106 | 10 | 4.0 | 5.0 | .8 | 41 | -- | 1.0 | -- | .1 | -- | | 42 | 0.3 | | |
| 0825 | 5050 | | 106 | 10.0C | 7.9 | 105 | .50 | .33 | .22 | .02 | .82 | | .03 | | 11A | -- | | 1 | 0.3 | S | |
| | | | | | | | 47 | 31 | 21 | 2 | | | | | | | | | | | |
| 05/11/83 | 5050 | | 11.6 | 50.0F | 7.2 | 115 | 10 | 4.0 | 5.0 | .8 | 40 | 7.0 | 1.0 | -- | .0 | -- | | 42 | 0.3 | | |
| 1100 | 5050 | | 103 | 10.0C | | | .50 | .33 | .22 | .02 | .80 | .15 | .03 | | 12AF | -- | 52 | 2 | 0.3 | S | |
| | | | | | | | 47 | 31 | 21 | 2 | | | | | | | | | | | |
| 06/10/83 | 5050 | 22.25 | 10.7 | 55.4F | 7.3 | 98 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | | |
| 1340 | 5050 | | 102 | 13.0C | | | | | | | | | | | 11AF | -- | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 06/17/83 | 5050 | | 10.7 | 55.0F | 7.2 | 97 | 9.0 | 4.0 | 4.0 | .8 | -- | 4.0 | 2.0 | -- | .0 | -- | | 39 | 0.0 | | |
| 0930 | 5050 | | 102 | 12.8C | | | .45 | .33 | .17 | .02 | | .08 | .06 | | | -- | | | | S | |
| | | | | | | | 46 | 34 | 18 | 2 | | | | | | | | | | | |

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. Q DEPTH | DO SAT | TEMP | FIELD LABORATORY PH EC | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER | | | | MILLIGRAMS PER LITER | | | | | |
|---|----------------|--------------------|-------------|----------------|------------------------------|-------------------------|------------------|------------------|-----------------|--|------------|------------|-----|----------------------|-----------|------------|-----------|-------------|-----|
| * * * | * * * | * * * | * * * | * * * | * * * | CA | MG | NA | K | CACO3 | SO4 | CL | NO3 | TURB | F SID2 | TDS SUM | TH NCH | SAR ASAR | REN |
| AD 2785.00 SACRAMENTO R A BEND BR A17AO CONTINUED | | | | | | | | | | | | | | | | | | | |
| 07/06/83 0715 | 5050 5050 | | 10.5 99 | 54.5F 12.5C | 7.3 97 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 3AF | -- | | | |
| 07/15/83 0915 | 5050 5050 | | 10.3 96 | 55.0F 12.8C | 7.3 103 | 9.0 .45 44 | 4.0 .33 32 | 5.0 .22 22 | .9 .02 2 | -- | 6.0 .12 | 2.0 .06 | -- | .0 4AF | -- | | 39 | 0.0 | |
| 08/16/83 0740 | 5050 5050 | 12.06 | 11.0 110 | 59.0F 15.0C | 8.2 90 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 3AF | -- | | | |
| 08/17/83 0845 | 5050 5050 | | 10.1 97 | 55.6F 13.1C | 7.2 100 | 8.0 .40 41 | 4.0 .33 34 | 5.0 .22 23 | .9 .02 2 | -- | 4.0 .08 | 2.0 .06 | -- | .0 3AF | -- | | 36 | 0.0 | |
| 09/21/83 0840 | 5050 5050 | | 10.8 102 | 55.0F 12.8C | 7.3 105 | 8.0 .40 40 | 5.0 .41 41 | 4.0 .17 17 | .8 .02 2 | -- | 4.0 .08 | 2.0 .06 | -- | .1 2AF | -- | | 40 | 0.0 | |
| 09/26/83 0700 | 5050 5050 | 11.03 | 9.8 93 | 55.4F 13.0C | 7.2 100 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 3AF | -- | | | |
| 10/20/83 1400 | 5050 5050 | | 11.1 106 | 55.9F 13.3C | 7.3 100 | 8.0 .40 40 | 5.0 .41 41 | 4.0 .17 17 | .7 .02 2 | -- | 4.0 .08 | 2.0 .06 | -- | .0 3AF | -- | | 40 | 0.0 | |
| 11/15/83 0830 | 5050 5050 | 13.05 | 9.9 92 | 53.6F 12.0C | 7.5 123 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 5AF | -- | | | |
| 11/30/83 1430 | 5050 5050 | | 10.4 97 | 54.0F 12.2C | 7.2 122 | 10 .50 42 | 5.0 .41 34 | 6.0 .26 22 | 1.1 .03 3 | -- | 5.0 .10 | 2.0 .06 | -- | .0 4AF | -- | | 46 | 0.0 | |
| 12/21/83 0915 | 5050 5050 | 19.16 | 11.5 101 | 49.1F 9.5C | 7.2 113 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 8AF | -- | | | |
| 01/11/84 1015 | 5050 5050 | | 11.4 98 | 47.0F 8.3C | 7.1 110 | 10 .50 42 | 5.0 .41 34 | 6.0 .26 22 | 1.0 .03 3 | -- | 7.0 .15 | 2.0 .06 | -- | .0 9AF | -- | | 46 | 0.0 | |
| 02/23/84 1130 | 5050 5050 | | 11.5 98 | 47.0F 8.3C | 7.2 120 | 11 .55 41 | 6.0 .49 37 | 6.0 .26 20 | 1.0 .03 2 | -- | 10 .21 | 3.0 .08 | -- | .0 6AF | -- | | 52 | 0.0 | |

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. O DEPTH | DO SAT | TEMP | FIELD LABORATORY PH EC | MINERAL CONSTITUENTS IN | | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE | | | | MILLIGRAMS PER LITER | | | | | REN |
|------------------|----------------|--------------------|-------------|------------------------|------------------------------|-------------------------|------------------|------------------|-----------------|-----------------|---|------------|-----|-----------|----------------------|------------|-----------|-------------|-----|-----|
| | | | | | | CA | MG | NA | K | CACO3 | SO4 | CL | NO3 | TURB | SIO2 | TDS SUM | TH MCH | SAR ASAR | REN | |
| ***** | | | | | | | | | | | | | | | | | | | | |
| AO 2785.00 | | | | SACRAMENTO R A BEND BR | | | | | | A17AO CONTINUED | | | | | | | | | | |
| 02/23/84 1245 | 5050 5050 | 10.32 | 11.8 100 | 46.4F 8.0C | 7.3 129 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | | |
| | | | | | | | | | | | | | | 5AF | -- | | | | | |
| 03/26/84 0750 | 5050 5050 | 12.05 | 10.7 95 | 50.0F 10.0C | 7.3 130 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | | |
| | | | | | | | | | | | | | | 3AF | -- | | | | | |
| 03/28/84 1030 | 5050 5050 | | 11.2 101 | 51.0F 10.5C | 7.3 110 | 10 .50 42 | 5.0 .41 34 | 6.0 .26 22 | 1.1 .03 3 | -- | 7.0 .15 | 3.0 .08 | -- | .2 4AF | -- | | 46 | 0.0 | | |
| | | | | | | | | | | | | | | | | | | | S | |
| 04/12/84 1345 | 5050 5050 | 10.49 | 11.8 113 | 55.4F 13.0C | 7.5 124 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | | |
| | | | | | | | | | | | | | | 3AF | -- | | | | | |
| 05/02/84 1215 | 5050 5050 | | 11.4 104 | 51.5F 10.8C | 7.4 127 | 10 .50 42 | 5.0 .41 34 | 6.0 .26 22 | 1.2 .03 3 | -- | 6.0 .12 | 3.0 .08 | -- | .1 5AF | -- | | 46 | 0.0 | | |
| | | | | | | | | | | | | | | | | | | | S | |
| 05/25/84 0650 | 5050 5050 | 10.32 | 10.2 97 | 55.4F 13.0C | 7.3 118 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | | |
| | | | | | | | | | | | | | | 3AF | -- | | | | | |
| 06/13/84 1035 | 5050 5050 | 10.52 | 10.2 98 | 56.3F 13.5C | 7.4 124 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | | |
| | | | | | | | | | | | | | | 4AF | -- | | | | | |
| 07/20/84 0645 | 5050 5050 | 11.92 | 10.0 97 | 57.2F 14.0C | 7.3 118 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | | |
| | | | | | | | | | | | | | | 28AF | -- | | | | | |
| 08/08/84 1040 | 5050 5050 | 11.96 | 10.1 98 | 57.2F 14.0C | 7.3 122 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | | |
| | | | | | | | | | | | | | | 4AF | -- | | | | | |
| 09/11/84 0645 | 5050 5050 | 9.76 | 10.0 100 | 59.0F 15.0C | 7.5 114 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | | |
| | | | | | | | | | | | | | | 2AF | -- | | | | | |
| 10/24/84 1125 | 5050 5050 | 8.94 | 10.1 101 | 59.0F 15.0C | 7.4 143 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | | |
| | | | | | | | | | | | | | | 3AF | -- | | | | | |

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | S.H. Q DEPTH | DO SAT | TEMP | FIELD LABORATORY PH EC | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER | | | | MILLIGRAMS PER LITER | | | | REN | |
|--------------|----------------|--------------------|-----------|-------|------------------------------|----------------------------|-----|-----|-----|--|-----|-----|-----|----------------------|------|-----|-----|------|-----|
| | | | | | | CA | MG | NA | K | PERCENT REACTANCE VALUE | | | | B | F | TDS | TH | | SAR |
| | | | | | | CA | MG | NA | K | CA | SO4 | CL | NO3 | TURB | SD2 | SUM | NCM | ASAR | |
| AD 2815.00 | | | | | | SACRAMENTO R A BALLS FERRY | | | | A17A0 | | | | | | | | | |
| 04/29/83 | 5050 | | 10.0 | 52.0F | 7.0 | 90 | 8.0 | 4.0 | 4.0 | .7 | 33 | 4.0 | 2.0 | -- | .0 | -- | | | |
| 1130 | 5050 | | 92 | 11.1C | | | .40 | .33 | .17 | .02 | .66 | .08 | .06 | -- | 14AF | -- | 42 | 36 | 0.3 |
| | | | | | | | 43 | 36 | 18 | 2 | | | | | | | 4 | 0.2 | S |
| 05/20/83 | 5050 | | 10.9 | 52.0F | 7.2 | 98 | 9.0 | 4.0 | 4.0 | .7 | -- | 4.0 | 1.0 | -- | .0 | -- | | 39 | 0.0 |
| 0900 | 5050 | | 100 | 11.1C | | | .45 | .33 | .17 | .02 | | .08 | .03 | -- | -- | -- | | | |
| | | | | | | | 46 | 34 | 18 | 2 | | | | | | | | | S |
| 07/15/83 | 5050 | | 10.7 | 54.0F | 7.3 | 98 | 8.0 | 4.0 | 4.0 | .9 | -- | 5.0 | 1.0 | -- | .0 | -- | | 36 | 0.0 |
| 1030 | 5050 | | 101 | 12.2C | | | .40 | .33 | .17 | .02 | | .10 | .03 | -- | 4AF | -- | | | |
| | | | | | | | 43 | 36 | 18 | 2 | | | | | | | | | S |
| 08/18/83 | 5050 | | 10.9 | 54.0F | 7.3 | 100 | 8.0 | 4.0 | 5.0 | .9 | -- | 4.0 | 2.0 | -- | .0 | -- | | 36 | 0.0 |
| 1245 | 5050 | | 102 | 12.2C | | | .40 | .33 | .22 | .02 | | .08 | .06 | -- | 2AF | -- | | | |
| | | | | | | | 41 | 34 | 23 | 2 | | | | | | | | | S |
| 09/21/83 | 5050 | | 10.1 | 55.9F | 7.2 | 99 | 8.0 | 5.0 | 4.0 | .9 | -- | 4.0 | 2.0 | -- | .0 | -- | | 40 | 0.0 |
| 1000 | 5050 | | 97 | 13.3C | | | .40 | .41 | .17 | .02 | | .08 | .06 | -- | 2AF | -- | | | |
| | | | | | | | 40 | 41 | 17 | 2 | | | | | | | | | S |
| 10/20/83 | 5050 | | 10.7 | 55.9F | 7.3 | 98 | 7.0 | 5.0 | 4.0 | .6 | -- | 4.0 | 2.0 | -- | .0 | -- | | 38 | 0.0 |
| 1245 | 5050 | | 103 | 13.3C | | | .35 | .41 | .17 | .02 | | .08 | .06 | -- | 3AF | -- | | | |
| | | | | | | | 37 | 43 | 18 | 2 | | | | | | | | | S |
| 12/01/83 | 5050 | | 10.3 | 54.0F | 7.2 | 118 | 9.0 | 5.0 | 7.0 | 1.1 | -- | 4.0 | 3.0 | -- | .0 | -- | | 43 | 0.0 |
| 1330 | 5050 | | 97 | 12.2C | | | .45 | .41 | .30 | .03 | | .08 | .08 | -- | 3AF | -- | | | |
| | | | | | | | 38 | 34 | 25 | 3 | | | | | | | | | S |
| 01/11/84 | 5050 | | 11.4 | 48.0F | 7.2 | 109 | 9.0 | 4.0 | 6.0 | 1.0 | -- | 4.0 | 2.0 | -- | .0 | -- | | 39 | 0.0 |
| 1030 | 5050 | | 99 | 8.9C | | | .45 | .33 | .26 | .03 | | .08 | .06 | -- | 8AF | -- | | | |
| | | | | | | | 42 | 31 | 24 | 3 | | | | | | | | | S |
| 03/05/84 | 5050 | | 11.8 | 51.0F | 7.3 | 130 | 11 | 5.0 | 8.0 | 1.3 | -- | 9.0 | 3.0 | -- | .0 | -- | | 48 | 0.0 |
| 1325 | 5050 | | 107 | 10.5C | | | .55 | .41 | .35 | .03 | | .19 | .08 | -- | 5AF | -- | | | |
| | | | | | | | 41 | 31 | 26 | 2 | | | | | | | | | S |
| 03/28/84 | 5050 | | 11.4 | 50.0F | 7.3 | 119 | 10 | 5.0 | 7.0 | 1.2 | -- | 6.0 | 3.0 | -- | .2 | -- | | 46 | 0.0 |
| 1200 | 5050 | | 102 | 10.0C | | | .50 | .41 | .30 | .03 | | .12 | .08 | -- | 4AF | -- | | | |
| | | | | | | | 40 | 33 | 24 | 2 | | | | | | | | | S |
| 05/02/84 | 5050 | | 11.6 | 51.0F | 7.3 | 138 | 10 | 5.0 | 6.0 | 1.1 | -- | 6.0 | 3.0 | -- | .0 | -- | | 46 | 0.0 |
| 1115 | 5050 | | 105 | 10.5C | | | .50 | .41 | .26 | .03 | | .12 | .08 | -- | 3AF | -- | | | |
| | | 0 | | | | | 42 | 34 | 22 | 3 | | | | | | | | | |

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. Q DEPTH | DO SAT | TEMP | FIELD LABORATORY PH EC | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE | | | | MILLIGRAMS PER LITER | | | | SAR ASAR | REY | | |
|--------------|----------------|--------------------|-----------------------|-------|------------------------------|-------------------------|-------|-----|-----|---|------|-----|-----|----------------------|-----------|------------|-----------|-------------|-----|--|--|
| | | | | | | CA | MG | NA | K | CACO3 | SD4 | CL | NO3 | TURB | F SIO2 | TDS SUM | TH NCH | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| ***** | | | | | | | | | | | | | | | | | | | | | |
| A1 | | 1020.00 | PIT R NR MONTGOMERY C | | | | A2080 | | | | | | | | | | | | | | |
| 04/27/83 | 5050 | | 11.4 | 48.9F | 7.4 | 123 | 11 | 5.0 | 7.0 | 1.5 | 56 | 2.0 | 2.0 | -- | .0 | -- | | | | | |
| 0845 | 5050 | 8300 | 103 | 9.4C | | | .55 | .41 | .30 | .04 | 1.12 | .04 | .06 | | 4AF | -- | 62 | 48 | 0.4 | | |
| | | | | | | | 42 | 32 | 23 | 3 | | | | | | | | 0 | 0.4 | | |
| 05/18/83 | 5050 | | 10.7 | 54.5F | 7.6 | 129 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | | |
| 0850 | 5050 | 7600 | 104 | 12.5C | | | | | | | | | | | 6AF | -- | | | | | |
| 06/13/83 | 5050 | | 9.1 | 63.0F | 7.6 | 123 | 10 | 5.0 | 8.0 | 1.8 | -- | 1.0 | 2.0 | -- | .1 | -- | | 46 | 0.0 | | |
| 0845 | 5050 | 7800 | 98 | 17.2C | | | .50 | .41 | .35 | .05 | | .02 | .06 | | -- | -- | | | | | |
| | | | | | | | 38 | 31 | 27 | 4 | | | | | | | | | | | |
| 07/13/83 | 5050 | | 9.5 | 63.0F | 8.0 | 130 | 10 | 5.0 | 8.0 | 1.8 | -- | 1.0 | 2.0 | -- | .1 | -- | | 46 | 0.0 | | |
| 0830 | 5050 | 4600 | 102 | 17.2C | | | .50 | .41 | .35 | .05 | | .02 | .06 | | -- | -- | | | | | |
| | | | | | | | 38 | 31 | 27 | 4 | | | | | | | | | | | |
| 08/19/83 | 5050 | | 9.1 | 63.5F | 7.7 | 135 | 10 | 6.0 | 9.0 | 1.8 | -- | 2.0 | 2.0 | -- | .0 | -- | | 50 | 0.0 | | |
| 0715 | 5050 | 3800 | 98 | 17.5C | | | .50 | .49 | .39 | .05 | | .04 | .06 | | 1AF | -- | | | | | |
| | | | | | | | 35 | 34 | 27 | 3 | | | | | | | | | | | |
| 09/13/83 | 5050 | | 9.5 | 60.8F | 7.8 | 144 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | | |
| 0815 | 5050 | 925 | 99 | 16.0C | | | | | | | | | | | 1AF | -- | | | | | |
| 09/19/83 | 5050 | | 10.0 | 59.5F | 7.8 | 152 | 9.0 | 6.0 | 9.0 | 2.1 | -- | 3.0 | 3.0 | -- | .0 | -- | | 47 | 0.0 | | |
| 0845 | 5050 | 3900 | 103 | 15.3C | | | .45 | .49 | .39 | .05 | | .06 | .08 | | 1AF | -- | | | | | |
| | | | | | | | 33 | 36 | 28 | 4 | | | | | | | | | | | |
| 10/18/83 | 5050 | | 10.1 | 54.0F | 7.4 | 140 | 9.0 | 6.0 | 10 | 2.2 | -- | 2.0 | 2.0 | -- | .0 | -- | | 47 | 0.0 | | |
| 0815 | 5050 | 3700 | 97 | 12.2C | | | .45 | .49 | .44 | .06 | | .04 | .06 | | 2AF | -- | | | | | |
| | | | | | | | 31 | 34 | 31 | 4 | | | | | | | | | | | |
| 11/15/83 | 5050 | | 11.2 | 50.0F | 7.3 | 127 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | | |
| 0845 | 5050 | 6040 | 103 | 10.0C | | | | | | | | | | | 5AF | -- | | | | | |
| 11/29/83 | 5050 | | 11.7 | 45.0F | 7.3 | 138 | 10 | 5.0 | 9.0 | 1.9 | -- | 3.0 | 2.0 | -- | .1 | -- | | 46 | 0.0 | | |
| 1000 | 5050 | | 100 | 7.2C | | | .50 | .41 | .39 | .05 | | .06 | .06 | | 4AF | -- | | | | | |
| | | | | | | | 37 | 30 | 29 | 4 | | | | | | | | | | | |
| 01/09/84 | 5050 | | 11.6 | 42.0F | 7.3 | 119 | 8.0 | 4.0 | 7.0 | 1.3 | -- | 4.0 | 2.0 | -- | .0 | -- | | 36 | 0.0 | | |
| 1000 | 5050 | 8390 | 95 | 5.6C | | | .40 | .33 | .30 | .03 | | .08 | .06 | | 16AF | -- | | | | | |
| | | | | | | | 38 | 31 | 28 | 3 | | | | | | | | | | | |
| 01/18/84 | 5050 | | 12.1 | 41.9F | 7.3 | 128 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | | |
| 1010 | 5050 | 7060 | 99 | 5.5C | | | | | | | | | | | 7AF | -- | | | | | |

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.M. O DEPTH | DD SAT | TEMP | FIELD LABORATORY PH EC | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE | | | | MILLIGRAMS PER LITER | | | | SAR ASAR | REM |
|--------------|----------------|--------------------|-----------------------|-------|------------------------------|-------------------------|-----------------|-----|-----|---|------|-----|-----|----------------------|-----------|------------|-----------|-------------|-----|
| | | | | | | CA | MG | NA | K | CACO3 | SO4 | CL | NO3 | TURB | F SI02 | TDS SUM | TH NCH | | |
| | | | | | | | | | | | | | | | | | | | |
| ***** | | | | | | | | | | | | | | | | | | | |
| A1 | | 1020.00 | PIT R NR MONTGOMERY C | | | | A2080 CONTINUED | | | | | | | | | | | | |
| 02/24/84 | 5050 | | 12.3 | 45.0F | 7.3 | 127 | 11 | 5.0 | 9.0 | 1.7 | -- | 5.0 | 2.0 | -- | .0 | -- | | | |
| 0955 | 5050 | 7250 | 105 | 7.2C | | | .55 | .41 | .39 | .04 | | .10 | .06 | | 15AF | -- | | 48 0.0 | |
| | | | | | | | 40 | 29 | 28 | 3 | | | | | | | | \$ | |
| 03/21/84 | 5050 | | 11.1 | 49.1F | 7.3 | 128 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 1010 | 5050 | 7830 | 100 | 9.5C | | | | | | | | | | | 9AF | -- | | | |
| | | | | | | | | | | | | | | | | | | \$ | |
| 03/28/84 | 5050 | | 10.9 | 49.0F | 7.5 | 125 | 10 | 5.0 | 8.0 | 1.6 | -- | 5.0 | 2.0 | -- | .1 | -- | | | |
| 1015 | 5050 | | 99 | 9.4C | | | .50 | .41 | .35 | .04 | | .10 | .06 | | 9AF | -- | | 46 0.0 | |
| | | | | | | | 38 | 32 | 27 | 3 | | | | | | | | \$ | |
| 05/03/84 | 5050 | | 11.0 | 51.0F | 7.6 | 130 | 10 | 5.0 | 7.0 | 1.7 | -- | 3.0 | 2.0 | -- | .1 | -- | | | |
| 0815 | 5050 | 6850 | 102 | 10.5C | | | .50 | .41 | .30 | .04 | | .06 | .06 | | 4AF | -- | | 46 0.0 | |
| | | 0 | | | | | 40 | 33 | 24 | 3 | | | | | | | | \$ | |
| 05/09/84 | 5050 | | 11.2 | 55.4F | 8.0 | 120 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 0820 | 5050 | 5700 | 110 | 13.0C | | | | | | | | | | | 4AF | -- | | | |
| | | | | | | | | | | | | | | | | | | \$ | |
| 06/18/84 | 5050 | | 9.8 | 62.0F | 7.8 | 130 | 10 | 5.0 | 9.0 | 2.0 | -- | 2.0 | 2.0 | -- | .0 | -- | | | |
| 0900 | 5050 | | 104 | 16.7C | | | .50 | .41 | .39 | .05 | | .04 | .06 | | 3AF | -- | | 46 0.0 | |
| | | | | | | | 37 | 30 | 29 | 4 | | | | | | | | \$ | |
| 07/11/84 | 5050 | | 10.7 | 68.0F | 7.9 | 138 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 0910 | 5050 | 3700 | 121 | 20.0C | | | | | | | | | | | 1AF | -- | | | |
| | | | | | | | | | | | | | | | | | | \$ | |
| 07/20/84 | 5050 | | 9.5 | 66.0F | 8.2 | 137 | 10 | 6.0 | 9.0 | 2.0 | -- | 2.0 | 2.0 | -- | .0 | -- | | | |
| 0930 | 5050 | | 105 | 18.9C | | | .50 | .49 | .39 | .05 | | .04 | .06 | | 2AF | -- | | 50 0.0 | |
| | | | | | | | 35 | 34 | 27 | 3 | | | | | | | | \$ | |
| 08/23/84 | 5050 | | 63.0F | 7.7 | 140 | 10 | 6.0 | 9.0 | 2.0 | -- | -- | 2.0 | 2.0 | -- | .0 | -- | | | |
| 0830 | 5050 | | 17.2C | | 139 | .50 | .49 | .39 | .05 | | | .04 | .06 | | 1AF | -- | | 50 0.0 | |
| | | 0 | | | | 35 | 34 | 27 | 3 | | | | | | | | | \$ | |
| 09/05/84 | 5050 | | 9.9 | 62.6F | 7.9 | 145 | 10 | 6.0 | 9.0 | -- | 62 | -- | 2.0 | -- | .0 | -- | | | |
| 0930 | 5050 | 4000 | 106 | 17.0C | 8.1 | 137 | .50 | .49 | .39 | | 1.24 | | .06 | | 2A | -- | 97 | 50 0.6 | |
| | | | | | | | 36 | 36 | 28 | | | | | | | | 0 0.6 | E | |
| 09/19/84 | 5050 | | 10.1 | 60.0F | 7.8 | 145 | 10 | 6.0 | 10 | 2.1 | -- | 2.0 | 2.0 | -- | .1 | -- | | | |
| 0830 | 5050 | | 105 | 15.5C | | | .50 | .49 | .44 | .05 | | .04 | .06 | | 1AF | -- | | 50 0.0 | |
| | | | | | | | 34 | 33 | 30 | 3 | | | | | | | | \$ | |
| 10/24/84 | 5050 | | 11.8 | 50.5F | 7.3 | 120 | 10 | 6.0 | 10 | 2.2 | -- | 1.0 | 2.0 | -- | .0 | -- | | | |
| 0900 | 5050 | | 109 | 10.3C | | | .50 | .49 | .44 | .06 | | .02 | .06 | | 2AF | -- | | 50 0.0 | |
| | | | | | | | 34 | 33 | 30 | 4 | | | | | | | | \$ | |

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAR | G.H. Q DEPTH | DO SAT | TEMP | FIELD LABORATORY PH EC | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER | | | | MILLIGRAMS PER LITER | | | | | | REY | | | | | | | | | | |
|---------------------------------|----------------|--------------------|-------------|----------------|------------------------------|-------------------------|------------------|------------------|------------------|--|------------------|-------------|------------|----------------------|------------|------------|-----------|-------------|------------|-------|--|--|--|--|--|--|--|--|--|--|
| | | | | | | CA | MG | NA | K | PERCENT CACD3 | REACTANCE SD4 | VALUE CL | NO3 | B TURB | F SIO2 | TDS SUM | TH NCH | SAR ASAR | | | | | | | | | | | | |
| A2 L 043.2 225.0 SHASTA LK A DM | | | | | | | | | | | | | | | | | | | | A24A0 | | | | | | | | | | |
| 05/18/83 0700 | 5050 5050 | | 10.0 102 | 59.0F 15.0C | 7.4 8.0 | 76 77 | 8.0 .40 48 | 3.0 .25 30 | 4.0 .17 20 | .6 .02 2 | 31 .62 | 5.0 .10 | 2.0 .06 | -- | .0 2AF | -- | | 32 2 | 0.3 0.2 | | | | | | | | | | | |
| | | 0 | | | | | | | | | | | | | | | 41 | | | | | | | | | | | | | |
| 05/18/83 0710 | 5050 5050 | | 10.3 87 | 44.4F 6.9C | 7.2 7.7 | 100 106 | 11 .55 45 | 4.0 .33 27 | 7.0 .30 25 | 1.5 .04 3 | 47 .94 | 3.0 .06 | 3.0 .08 | -- | .0 14AF | -- | | 44 0 | 0.5 0.4 | S | | | | | | | | | | |
| | | 427 | | | | | | | | | | | | | | | 58 | | | | | | | | | | | | | |
| 06/23/83 0930 | 5050 5050 | | 8.4 98 | 70.7F 21.5C | 7.5 | | 8.0 .40 48 | 3.0 .25 30 | 4.0 .17 20 | .7 .02 2 | -- | 4.0 .08 | 1.0 .03 | -- | .0 -- | -- | | 32 | 0.0 | S | | | | | | | | | | |
| | | 0 | | | | 88 | | | | | | | | | | | | | | | | | | | | | | | | |
| 06/23/83 0840 | 5050 5050 | | 9.5 | | 7.1 | | 11 .55 47 | 4.0 .33 28 | 6.0 .26 22 | 1.2 .03 3 | -- | 2.0 .04 | 1.0 .03 | -- | .0 -- | -- | | 44 | 0.0 | S | | | | | | | | | | |
| | | 469 | | | | 113 | | | | | | | | | | | | | | | | | | | | | | | | |
| 07/29/83 0830 | 5050 5050 | | 8.3 100 | 74.3F 23.5C | 7.6 | 85 | 9.0 .45 48 | 3.0 .25 27 | 5.0 .22 23 | .9 .02 2 | -- | 3.0 .06 | 1.0 .03 | -- | .0 -- | -- | | 35 | 0.0 | S | | | | | | | | | | |
| | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07/29/83 0840 | 5050 5050 | | | | 7.3 | 100 | 10 .50 45 | 4.0 .33 29 | 6.0 .26 23 | 1.1 .03 3 | -- | 4.0 .08 | 1.0 .03 | -- | .0 -- | -- | | 42 | 0.0 | S | | | | | | | | | | |
| | | 486 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 08/26/83 0800 | 5050 5050 | | 8.0 96 | 73.9F 23.3C | 7.8 | 93 | 9.0 .45 44 | 4.0 .33 32 | 5.0 .22 22 | .9 .02 2 | -- | 4.0 .08 | 1.0 .03 | -- | .0 1AF | -- | | 39 | 0.0 | S | | | | | | | | | | |
| | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 08/26/83 0810 | 5050 5050 | | | | 7.1 | 106 | 10 .50 46 | 4.0 .33 31 | 5.0 .22 20 | 1.1 .03 3 | -- | 3.0 .06 | 1.0 .03 | -- | .0 11AF | -- | | 42 | 0.0 | S | | | | | | | | | | |
| | | 472 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 09/27/83 0900 | 5050 5050 | | 8.2 94 | 68.9F 20.5C | 7.6 | 100 | 9.0 .45 44 | 4.0 .33 32 | 5.0 .22 21 | 1.1 .03 3 | -- | 5.0 .10 | 1.0 .03 | -- | .0 0AF | -- | | 39 | 0.0 | S | | | | | | | | | | |
| | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07/27/83 0910 | 5050 5050 | | 8.0 | | 7.0 | 104 | 10 .50 45 | 4.0 .33 29 | 6.0 .26 23 | 1.1 .03 3 | -- | 4.0 .08 | 1.0 .03 | -- | .0 8AF | -- | | 42 | 0.0 | S | | | | | | | | | | |
| | | 459 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12/21/83 0945 | 5050 5050 | | 9.7 93 | 53.4F 11.9C | 7.3 | 106 | 9.0 .45 42 | 4.0 .33 31 | 6.0 .26 24 | 1.2 .03 3 | -- | 4.0 .08 | 1.0 .03 | -- | .0 1AF | -- | | 39 | 0.0 | S | | | | | | | | | | |
| | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12/21/83 0955 | 5050 5050 | | 7.3 65 | 47.5F 8.6C | 6.9 | 107 | 10 .50 46 | 4.0 .33 31 | 5.0 .22 20 | 1.0 .03 3 | -- | 3.0 .06 | 1.0 .03 | -- | .0 8AF | -- | | 42 | 0.0 | S | | | | | | | | | | |
| | | 427 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

MINERAL ANALYSES OF SURFACE WATER

[illegible]

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. Q DEPTH | DO SAT | TEMP | FIELD LABORATORY PH EC | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER | | | | MILLIGRAMS PER LITER | | | | REY | |
|---|----------------|--------------------|-------------|----------------|------------------------------|-------------------------|------------------|------------------|-----------------|--|------------------|-------------|-----|----------------------|-----------|------------|-----------|------------|-------------|
| | | | | | | CA | MG | NA | K | PERCENT CACO3 | REACTANCE SO4 | VALUE CL | NO3 | B TURB | F SIO2 | TDS SUM | TH MCH | | SAR ASAR |
| A2 L 043.2 225.0 SHASTA LK A DM | | | | | | A24A0 CONTINUED | | | | | | | | | | | | | |
| 08/16/84 0830 | 5050 5050 | | 8.8 109 | 77.0F 25.0C | 7.8 110 | 10 .50 46 | 4.0 .33 31 | 5.0 .22 20 | 1.0 .03 3 | -- | 5.0 .10 | 1.0 .03 | -- | .0 -- | | | 42 | 0.0 | |
| 08/16/84 0830 | 5050 5050 | 0 443 | 8.5 76 | 48.0F 8.9C | 7.1 132 | 12 .60 43 | 5.0 .41 29 | 8.0 .35 25 | 1.5 .04 3 | -- | 5.0 .10 | 2.0 .06 | -- | .0 -- | | | 50 | 0.0 | S |
| 09/14/84 0800 | 5050 5050 | | 8.3 70 | 44.4F 6.9C | 7.0 131 | 11 .55 41 | 5.0 .41 30 | 8.0 .35 26 | 1.5 .04 3 | -- | 3.0 .06 | 2.0 .06 | -- | .0 1AF | | | 48 | 0.0 | S |
| 10/24/84 0930 | 5050 5050 | | 7.0 | | 7.0 132 | 11 .55 41 | 5.0 .41 30 | 8.0 .35 26 | 1.5 .04 3 | -- | 4.0 .08 | 2.0 .06 | -- | .0 7AF | | | | 0.0 | S |
| 10/24/84 0930 | 5050 5050 | 0 | 8.2 86 | 61.5F 16.4C | 7.4 126 | 10 .50 40 | 5.0 .41 33 | 7.0 .30 24 | 1.4 .04 3 | -- | 3.0 .06 | 2.0 .06 | -- | .0 1AF | | | | 0.0 | S |
| A2 L 044.3 227.3 SHASTA LK A LITTLE SQUAW C INLET | | | | | | A20A0 | | | | | | | | | | | | | |
| 05/12/83 1415 | 5050 5050 | 0 | 10.8 108 | 57.2F 14.0C | 7.4 75 | 8.0 .40 48 | 3.0 .25 30 | 4.0 .17 20 | .6 .02 2 | 29 .58 | 4.0 .08 | 1.0 .03 | -- | .0 2AF | | | 32 4 | 0.3 0.2 | S |
| 05/12/83 1425 | 5050 5050 | 138 | 10.8 93 | 45.7F 7.6C | 7.1 82 | 7.0 .35 44 | 3.0 .25 32 | 4.0 .17 22 | .6 .02 3 | 32 .64 | .0 .00 | 1.0 .03 | -- | .0 5AF | | | 30 0 | 0.3 0.2 | S |
| 06/21/83 1300 | 5050 5050 | 0 | 8.4 99 | 72.0F 22.2C | 7.4 82 | 8.0 .40 48 | 3.0 .25 30 | 4.0 .17 20 | .6 .02 2 | -- | 5.0 .10 | 1.0 .03 | -- | .0 -- | | | 32 | 0.0 | S |
| 06/21/83 1310 | 5050 5050 | 138 | 9.4 84 | 48.4F 9.1C | 7.1 81 | 8.0 .40 48 | 3.0 .25 30 | 4.0 .17 20 | .6 .02 2 | -- | 6.0 .12 | 1.0 .03 | -- | .0 -- | | | 32 | 0.0 | S |
| 07/28/83 1330 | 5050 5050 | 0 | 8.0 99 | 77.0F 25.0C | 7.7 89 | 8.0 .40 45 | 3.0 .25 28 | 5.0 .22 25 | .8 .02 2 | -- | 4.0 .08 | 1.0 .03 | -- | .0 -- | | | 32 | 0.0 | S |
| 07/28/83 1340 | 5050 5050 | 157 | 1.0 9 | 50.4F 10.2C | 7.3 82 | 8.0 .40 48 | 3.0 .25 30 | 4.0 .17 20 | .7 .02 2 | -- | 6.0 .12 | 1.0 .03 | -- | .0 -- | | | 32 | 0.0 | S |

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. Q DEPTH | DD SAT | TEMP | FIELD LABORATORY PH EC | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER | | | | MILLIGRAMS PER LITER | | | | | REMARKS | | | | |
|---|----------------|--------------------|-------------|----------------|------------------------------|-------------------------|------------------|------------------|-----------------|--|------------------|-------------|-----|----------------------|-----------|------------|-----------|-------------|-----------------|--|--|--|--|
| | | | | | | CA | MG | NA | K | PERCENT CACO3 | REACTANCE SO4 | VALUE CL | NO3 | TURB | F SIO2 | TDS SUM | TH MCH | SAR ASAR | | | | | |
| A2 L 044.3 227.3 SHASTA LK A LITTLE SQUAW C INLET | | | | | | | | | | | | | | | | | | | AZOAO CONTINUED | | | | |
| 08/25/83 1130 | 5050 5050 | | 7.9 97 | 75.9F 24.4C | 7.7 96 | 9.0 .45 44 | 4.0 .33 32 | 5.0 .22 22 | .9 .02 2 | -- | 5.0 .10 | 1.0 .03 | -- | .0 1AF | -- | | 39 | 0.0 | | | | | |
| 08/25/83 1140 | 5050 5050 | | 7.8 74 | 53.1F 11.7C | 7.1 84 | 8.0 .40 48 | 3.0 .25 30 | 4.0 .17 20 | .7 .02 2 | -- | 5.0 .10 | 1.0 .03 | -- | .0 3AF | -- | | 32 | 0.0 | S | | | | |
| 10/04/83 1200 | 5050 5050 | 148 | 8.2 93 | 68.4F 20.2C | 7.6 105 | 9.0 .45 44 | 4.0 .33 32 | 5.0 .22 21 | 1.0 .03 3 | -- | 5.0 .10 | 1.0 .03 | -- | .0 0AF | -- | | 39 | 0.0 | S | | | | |
| 10/04/83 1210 | 5050 5050 | 0 | 5.7 59 | 59.5F 15.3C | 7.1 111 | 10 .50 45 | 4.0 .33 29 | 6.0 .26 23 | 1.3 .03 3 | -- | 4.0 .08 | 1.0 .03 | -- | .0 2AF | -- | | 42 | 0.0 | S | | | | |
| 10/27/83 0800 | 5050 5050 | 108 | 8.2 89 | 63.9F 17.7C | 7.3 108 | 9.0 .45 42 | 4.0 .33 31 | 6.0 .26 24 | 1.2 .03 3 | -- | 5.0 .10 | 1.0 .03 | -- | .0 1AF | -- | | 39 | 0.0 | S | | | | |
| 10/27/83 0810 | 5050 5050 | 0 | 5.6 57 | 59.0F 15.0C | 6.9 109 | 10 .50 45 | 4.0 .33 29 | 6.0 .26 23 | 1.3 .03 3 | -- | 4.0 .08 | 1.0 .03 | -- | .0 2AF | -- | | 42 | 0.0 | S | | | | |
| 12/05/83 1400 | 5050 5050 | 105 | 9.2 89 | 54.0F 12.2C | 7.3 105 | 9.0 .45 42 | 4.0 .33 31 | 6.0 .26 24 | 1.2 .03 3 | -- | 4.0 .08 | 1.0 .03 | -- | .1 2AF | -- | | 39 | 0.0 | S | | | | |
| 12/05/83 1410 | 5050 5050 | 0 | 9.3 89 | 53.6F 12.0C | 7.3 102 | 8.0 .40 39 | 4.0 .33 32 | 6.0 .26 25 | 1.2 .03 3 | -- | 5.0 .10 | 1.0 .03 | -- | .0 3AF | -- | | 36 | 0.0 | S | | | | |
| 01/25/84 1230 | 5050 5050 | 105 | 10.4 95 | 50.2F 10.1C | 7.3 94 | 9.0 .45 44 | 4.0 .33 32 | 5.0 .22 21 | 1.0 .03 3 | -- | 5.0 .10 | 2.0 .06 | -- | .0 2AF | -- | | 39 | 0.0 | S | | | | |
| 01/25/84 1230 | 5050 5050 | 0 | 10.5 94 | 48.6F 9.2C | 7.2 94 | 9.0 .45 44 | 4.0 .33 32 | 5.0 .22 22 | .9 .02 2 | -- | 9.0 .19 | 2.0 .06 | -- | .0 2AF | -- | | 39 | 0.0 | S | | | | |
| 02/29/84 1300 | 5050 5050 | 102 | 11.3 102 | 48.6F 9.2C | 7.4 95 | 9.0 .45 44 | 4.0 .33 32 | 5.0 .22 21 | 1.0 .03 3 | -- | 6.0 .12 | 1.0 .03 | -- | .0 2AF | -- | | 39 | 0.0 | S | | | | |
| 02/29/84 1300 | 5050 5050 | 0 | 10.5 92 | 46.4F 8.0C | 7.2 96 | 9.0 .45 44 | 4.0 .33 32 | 5.0 .22 22 | .9 .02 2 | -- | 8.0 .17 | 1.0 .03 | -- | .0 3AF | -- | | 39 | 0.0 | S | | | | |
| | | 115 | | | | | | | | | | | | | | | | | S | | | | |

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. Q DEPTH | DO SAT | TEMP | FIELD LABORATORY PH EC | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE | | | | MILLIGRAMS PER LITER | | | | | REM | | | | |
|---|----------------|--------------------|-------------|----------------|------------------------------|-------------------------|------------------|------------------|-----------------|---|------------|------------|-----|----------------------|-----------|------------|-----------|-------------|-----------------|--|--|--|--|
| | | | | | | CA | MG | NA | K | CACO3 | SO4 | CL | NO3 | B TURB | F SIO2 | TDS SUM | TH NCH | SAR ASAR | | | | | |
| A2 L 044.3 227.3 SHASTA LK A LITTLE SQUAW C INLET | | | | | | | | | | | | | | | | | | | A20AD CONTINUED | | | | |
| 04/04/84 1200 | 5050 5050 | | 10.9 107 | 55.8F 13.2C | 7.8 98 | 8.0 .40 41 | 4.0 .33 34 | 5.0 .22 23 | .8 .02 2 | -- | -- | -- | -- | .1 -- | -- | | 36 | 0.0 | S | | | | |
| 04/04/84 1200 | 5050 5050 | 0 115 | 10.5 93 | 47.3F 8.5C | 7.3 99 | 9.0 .45 44 | 4.0 .33 32 | 5.0 .22 22 | .9 .02 2 | -- | 6.0 .12 | 2.0 .06 | -- | .1 -- | -- | | 39 | 0.0 | S | | | | |
| 05/09/84 1100 | 5050 5050 | | 10.0 102 | 59.0F 15.0C | 7.5 97 | 9.0 .45 44 | 4.0 .33 32 | 5.0 .22 22 | .9 .02 2 | -- | 5.0 .10 | 2.0 .06 | -- | .0 -- | -- | | 39 | 0.0 | S | | | | |
| 05/09/84 1100 | 5050 5050 | | 9.6 86 | 48.0F 8.9C | 7.2 101 | 9.0 .45 44 | 4.0 .33 32 | 5.0 .22 22 | .9 .02 2 | -- | 5.0 .10 | 2.0 .06 | -- | .0 -- | -- | | 39 | 0.0 | S | | | | |
| 06/08/84 0815 | 5050 5050 | | 9.3 84 | 48.7F 9.3C | 7.2 100 | 9.0 .45 44 | 4.0 .33 32 | 5.0 .22 21 | 1.1 .03 3 | -- | 4.0 .08 | 1.0 .03 | -- | .0 -- | -- | | 39 | 0.0 | S | | | | |
| 06/08/84 0815 | 5050 5050 | | 9.0 99 | 65.3F 18.5C | 7.3 100 | 9.0 .45 44 | 4.0 .33 32 | 5.0 .22 21 | 1.0 .03 3 | -- | 4.0 .08 | 1.0 .03 | -- | .1 -- | -- | | 39 | 0.0 | S | | | | |
| 07/12/84 0800 | 5050 5050 | | 7.6 96 | 78.8F 26.0C | 7.6 103 | 9.0 .45 44 | 4.0 .33 32 | 5.0 .22 21 | 1.0 .03 3 | -- | 4.0 .08 | 1.0 .03 | -- | .0 -- | -- | | 39 | 0.0 | S | | | | |
| 07/12/84 0800 | 5050 5050 | | 8.7 81 | 51.8F 11.0C | 7.2 104 | 9.0 .45 42 | 4.0 .33 31 | 6.0 .26 24 | 1.1 .03 3 | -- | 4.0 .08 | 1.0 .03 | -- | .0 -- | -- | | 39 | 0.0 | S | | | | |
| 08/15/84 0830 | 5050 5050 | | 7.7 96 | 77.5F 25.3C | 7.5 111 | 10 .50 46 | 4.0 .33 31 | 5.0 .22 20 | 1.0 .03 3 | -- | 6.0 .12 | 2.0 .06 | -- | .0 -- | -- | | 42 | 0.0 | S | | | | |
| 08/15/84 0830 | 5050 5050 | | 3.1 31 | 58.3F 14.6C | 7.0 115 | 10 .50 45 | 4.0 .33 29 | 6.0 .26 23 | 1.2 .03 3 | -- | 5.0 .10 | 2.0 .06 | -- | .0 -- | -- | | 42 | 0.0 | S | | | | |
| 09/10/84 0900 | 5050 5050 | | 7.8 94 | 74.3F 23.5C | 7.6 115 | 10 .50 45 | 4.0 .33 29 | 6.0 .26 23 | 1.1 .03 3 | -- | 4.0 .08 | 1.0 .03 | -- | .0 1AF | -- | | 42 | 0.0 | S | | | | |
| 09/10/84 0900 | 5050 5050 | | 5.2 55 | 62.6F 17.0C | 7.0 116 | 10 .50 45 | 4.0 .33 29 | 6.0 .26 23 | 1.3 .03 3 | -- | 4.0 .08 | 1.0 .03 | -- | .0 2AF | -- | | 42 | 0.0 | S | | | | |

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. Q DEPTH | DD SAT | TEMP | FIELD LABORATORY PH EC | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER | | | | MILLIGRAMS PER LITER | | | | SAR ASAR | REM |
|---|----------------|--------------------|-----------|-------|------------------------------|-------------------------|-----|-----|-----|--|-----|-----|-----|----------------------|-----------|------------|-----------|-------------|-----|
| | | | | | | CA | MG | NA | K | PERCENT REACTANCE VALUE | | | | TURB | F SID2 | TDS SUM | TH NCH | | |
| | | | | | | | | | | CAC03 | SD4 | CL | NO3 | | | | | | |
| ***** | | | | | | | | | | | | | | | | | | | |
| A2 L 044.3 227.3 SHASTA LK A LITTLE SQUAW C INLET | | | | | | A20A0 CONTINUED | | | | | | | | | | | | | |
| 10/18/84 | 5050 | | 8.3 | 64.0F | 7.3 | 126 | 10 | 5.0 | 7.0 | 1.3 | -- | 5.0 | 2.0 | -- | .0 | -- | | 0.0 | |
| 1100 | 5050 | | 90 | 17.8C | | | .50 | .41 | .30 | .03 | | .10 | .06 | | 1AF | -- | | | |
| | | 0 | | | | | 40 | 33 | 24 | 2 | | | | | | | | S | |
| 10/18/84 | 5050 | | 8.1 | 63.5F | 7.3 | 125 | 10 | 5.0 | 7.0 | 1.3 | -- | 6.0 | 2.0 | -- | .0 | -- | | 0.0 | |
| 1100 | 5050 | | 87 | 17.5C | | | .50 | .41 | .30 | .03 | | .12 | .06 | | 1AF | -- | | | |
| | | 79 | | | | | 40 | 33 | 24 | 2 | | | | | | | | S | |
| A2 L 044.9 212.1 SHASTA LK PIT R AB JONES VALLEY | | | | | | A20A0 | | | | | | | | | | | | | |
| 05/16/83 | 5050 | | 10.0 | 59.7F | 7.5 | 90 | 11 | 3.0 | 4.0 | .8 | | 3.0 | 1.0 | -- | .0 | -- | | 0.3 | |
| 1120 | 5050 | | 103 | 15.4C | | 92 | .55 | .25 | .17 | .02 | 40 | .06 | .03 | | 3AF | -- | 47 | 0.2 | |
| | | 0 | | | | | 56 | 25 | 17 | 2 | .80 | | | | | | | S | |
| 05/16/83 | 5050 | | 9.5 | 45.0F | 7.1 | 106 | 13 | 4.0 | 6.0 | 1.1 | 48 | 3.0 | 1.0 | -- | .0 | -- | | 0.4 | |
| 1130 | 5050 | | 81 | 7.2C | | 112 | .65 | .33 | .26 | .03 | .96 | .06 | .03 | | 9AF | -- | 57 | 0.4 | |
| | | 279 | | | | | 51 | 26 | 20 | 2 | | | | | | | | S | |
| 06/24/83 | 5050 | | 8.6 | 73.9F | 7.8 | | 11 | 3.0 | 5.0 | 1.0 | -- | 3.0 | 1.0 | -- | .0 | -- | | 0.0 | |
| 1230 | 5050 | | 104 | 23.3C | | 102 | .55 | .25 | .22 | .03 | | .06 | .03 | | | -- | 40 | | |
| | | 0 | | | | | 52 | 24 | 21 | 3 | | | | | | | | S | |
| 06/24/83 | 5050 | | 8.0 | 46.6F | 7.3 | | 13 | 4.0 | 6.0 | 1.2 | -- | 2.0 | 1.0 | -- | .0 | -- | | 0.0 | |
| 1240 | 5050 | | 70 | 8.1C | | 110 | .65 | .33 | .26 | .03 | | .04 | .03 | | | -- | 49 | | |
| | | 295 | | | | | 51 | 26 | 20 | 2 | | | | | | | | S | |
| 07/26/83 | 5050 | | 8.7 | 75.0F | 8.0 | 98 | 10 | 4.0 | 5.0 | .9 | -- | 3.0 | 1.0 | -- | .0 | -- | | 0.0 | |
| 0830 | 5050 | | 106 | 23.9C | | | .50 | .33 | .22 | .02 | | .06 | .03 | | | -- | 42 | | |
| | | 0 | | | | | 47 | 31 | 21 | 2 | | | | | | | | S | |
| 07/26/83 | 5050 | | 6.5 | 48.2F | 6.9 | 114 | 12 | 4.0 | 6.0 | 1.1 | -- | 2.0 | 1.0 | -- | .0 | -- | | 0.0 | |
| 0840 | 5050 | | 58 | 9.0C | | | .60 | .33 | .26 | .03 | | .04 | .03 | | | -- | 46 | | |
| | | 262 | | | | | 49 | 27 | 21 | 2 | | | | | | | | S | |
| 08/23/83 | 5050 | | 8.1 | 76.5F | 8.5 | 97 | 12 | 4.0 | 6.0 | 1.2 | -- | 2.0 | 1.0 | -- | .0 | -- | | 0.0 | |
| 0815 | 5050 | | 100 | 24.7C | | | .60 | .33 | .26 | .03 | | .04 | .03 | | 2AF | -- | 46 | | |
| | | 0 | | | | | 49 | 27 | 21 | 2 | | | | | | | | S | |
| 09/23/83 | 5050 | | 4.7 | 49.1F | 7.1 | 116 | 10 | 4.0 | 5.0 | 1.0 | -- | 2.0 | 1.0 | -- | .0 | -- | | 0.0 | |
| 0825 | 5050 | | 42 | 9.5C | | | .50 | .33 | .22 | .03 | | .04 | .03 | | 6AF | -- | 42 | | |
| | | 230 | | | | | 46 | 31 | 20 | 3 | | | | | | | | S | |
| 09/29/83 | 5050 | | 8.2 | 69.4F | 7.7 | 109 | 10 | 4.0 | 5.0 | 1.0 | -- | 4.0 | 1.0 | -- | .0 | -- | | 0.0 | |
| 1130 | 5050 | | 94 | 20.8C | | | .50 | .33 | .22 | .03 | | .08 | .03 | | 1AF | -- | 42 | | |
| | | 0 | | | | | 46 | 31 | 20 | 3 | | | | | | | | S | |

MINERAL ANALYSES OF SURFACE WATER

[illegible]

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. O DEPTH | DO SAT | TEMP | FIELD LABORATORY PH EC | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE | | | | MILLIGRAMS PER LITER | | | | | REM |
|------------------|----------------|--------------------|-------------|----------------|------------------------------|---------------------------------|------------------|------------------|-----------------|---|------------|------------|-----|----------------------|-----------|------------|-----------|-------------|-----|
| | | | | | | CA | MG | NA | K | CACO3 | SO4 | CL | NO3 | B TURB | F SIO2 | TDS SUM | TH NCH | SAR ASAR | |
| | | | | | | | | | | | | | | | | | | | |
| A2 L 044.9 212.1 | | | | | | SHASTA LK PIT R AB JONES VALLEY | | | | A20A0 CONTINUED | | | | | | | | | |
| 05/07/84 0830 | 5050 5050 | | 10.2 103 | 58.1F 14.5C | 7.7 99 | 10 .50 45 | 4.0 .33 29 | 6.0 .26 23 | 1.0 .03 3 | -- | 4.0 .08 | 2.0 .06 | -- | .0 -- | | | 42 | 0.0 | |
| 06/05/84 0800 | 5050 5050 | | 7.1 63 | 47.5F 8.6C | 7.2 126 | 12 .60 44 | 5.0 .41 30 | 7.0 .30 22 | 1.4 .04 3 | -- | 3.0 .06 | 2.0 .06 | -- | .0 -- | | | 50 | 0.0 | |
| 06/05/84 0800 | 5050 5050 | | 8.6 97 | 68.0F 20.0C | 7.6 109 108 | 10 .50 45 | 4.0 .33 29 | 6.0 .26 23 | 1.2 .03 3 | -- | 3.0 .06 | 1.0 .03 | -- | .1 -- | | | 42 | 0.0 | |
| 07/10/84 0830 | 5050 5050 | | 8.1 104 | 80.2F 26.8C | 7.7 108 | 10 .50 45 | 4.0 .33 29 | 6.0 .26 23 | 1.2 .03 3 | -- | 3.0 .06 | 1.0 .03 | -- | .0 -- | | | 42 | 0.0 | |
| 07/10/84 0830 | 5050 5050 | | 6.5 62 | 53.0F 11.7C | 7.0 126 | 11 .55 45 | 4.0 .33 27 | 7.0 .30 25 | 1.5 .04 3 | -- | 3.0 .06 | 2.0 .06 | -- | .0 -- | | | 44 | 0.0 | |
| 08/13/84 0930 | 5050 5050 | | 8.3 105 | 78.8F 26.0C | 8.0 120 | 11 .55 47 | 4.0 .33 28 | 6.0 .26 22 | 1.1 .03 3 | -- | 4.0 .08 | 1.0 .03 | -- | .1 -- | | | 44 | 0.0 | |
| 08/13/84 0930 | 5050 5050 | | 1.3 12 | 48.6F 9.2C | 7.0 138 | 13 .65 46 | 5.0 .41 29 | 7.0 .30 21 | 1.5 .04 3 | -- | 5.0 .10 | 2.0 .06 | -- | .0 -- | | | 53 | 0.0 | |
| 09/11/84 0815 | 5050 5050 | | 0.0 | 48.4F 9.1C | 6.9 137 | 12 .60 44 | 5.0 .41 30 | 7.0 .30 22 | 1.6 .04 3 | -- | 3.0 .06 | 2.0 .06 | -- | .0 4AF | | | 50 | 0.0 | |
| 09/11/84 0815 | 5050 5050 | | 7.8 95 | 74.5F 23.6C | 7.8 118 | 10 .50 45 | 4.0 .33 29 | 6.0 .26 23 | 1.3 .03 3 | -- | 3.0 .06 | 2.0 .06 | -- | .0 1AF | | | 42 | 0.0 | |
| 10/15/84 0830 | 5050 5050 | | 0.0 | 49.1F 9.5C | 6.8 142 | 13 .65 45 | 5.0 .41 28 | 8.0 .35 24 | 1.6 .04 3 | -- | 3.0 .06 | 2.0 .06 | -- | .0 6AF | | | | 0.0 | |
| 10/15/84 0845 | 5050 5050 | | 7.7 83 | 63.9F 17.7C | 7.3 129 | 10 .50 40 | 5.0 .41 33 | 7.0 .30 24 | 1.4 .04 3 | -- | 2.0 .04 | 2.0 .06 | -- | .0 2AF | | | | 0.0 | |

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. Q DEPTH | DD SAT | TEMP | FIELD LABORATORY PH EC | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER | | | | MILLIGRAMS PER LITER | | | | REY | | |
|------------------|----------------|--------------------|-----------|-------|------------------------------|-----------------------------------|-----|-----|-----|--|-----|-------|-----|----------------------|-----------|------------|-----------|-----|-------------|---|
| | | | | | | CA | MG | NA | K | PERCENT REACTANCE VALUE | | | | B TURB | F SIO2 | TDS SUM | TH NCH | | SAR ASAR | |
| | | | | | | | | | | CAC03 | SD4 | CL | NO3 | | | | | | | |
| ***** | | | | | | | | | | | | | | | | | | | | |
| A2 L 045.4 225.5 | | | | | | SHASTA LK LITTLE BACKBONE C INLET | | | | | | A20A0 | | | | | | | | |
| 05/13/83 | 5050 | | 10.5 | 58.1F | 7.4 | 73 | 8.0 | 3.0 | 4.0 | .6 | 30 | 5.0 | 1.0 | -- | .1 | -- | | 32 | 0.3 | |
| 1300 | 5050 | | 106 | 14.5C | | 75 | .40 | .25 | .17 | .02 | .60 | .10 | .03 | | 3AF | -- | 40 | 3 | 0.2 | |
| | | 0 | | | | | 48 | 30 | 20 | 2 | | | | | | | | | | S |
| 05/13/83 | 5050 | | 10.3 | 45.3F | 7.2 | 86 | 9.0 | 3.0 | 4.0 | .8 | 39 | 3.0 | 1.0 | -- | .0 | -- | | 35 | 0.3 | |
| 1310 | 5050 | | 88 | 7.4C | | 89 | .45 | .25 | .17 | .02 | .78 | .06 | .03 | | 6AF | -- | 44 | 0 | 0.2 | |
| | | 197 | | | | | 51 | 28 | 19 | 2 | | | | | | | | | | S |
| 06/22/83 | 5050 | | 8.3 | 73.0F | 7.7 | | 8.0 | 3.0 | 4.0 | .6 | -- | 4.0 | 1.0 | -- | .0 | -- | | 32 | 0.0 | |
| 1300 | 5050 | | 99 | 22.8C | | 84 | .40 | .25 | .17 | .02 | | .08 | .03 | | -- | -- | | | | |
| | | 0 | | | | | 48 | 30 | 20 | 2 | | | | | | | | | | S |
| 06/22/83 | 5050 | | 9.4 | 47.3F | 7.3 | | 9.0 | 3.0 | 4.0 | .7 | -- | 4.0 | 1.0 | -- | .0 | -- | | 35 | 0.0 | |
| 1310 | 5050 | | 83 | 8.5C | | 89 | .45 | .25 | .17 | .02 | | .08 | .03 | | -- | -- | | | | |
| | | 230 | | | | | 51 | 28 | 19 | 2 | | | | | | | | | | S |
| 07/27/83 | 5050 | | 8.1 | 76.6F | 7.8 | 88 | 9.0 | 3.0 | 5.0 | .8 | -- | 4.0 | 1.0 | -- | .0 | -- | | 35 | 0.0 | |
| 1200 | 5050 | | 100 | 24.8C | | | .45 | .25 | .22 | .02 | | .08 | .03 | | -- | -- | | | | |
| | | 0 | | | | | 48 | 27 | 23 | 2 | | | | | | | | | | S |
| 07/27/83 | 5050 | | 8.4 | 50.0F | 7.1 | | 8.0 | 3.0 | 4.0 | .8 | -- | 4.0 | 1.0 | -- | .0 | -- | | 32 | 0.0 | |
| 1210 | 5050 | | 77 | 10.0C | | | .40 | .25 | .17 | .02 | | .08 | .03 | | -- | -- | | | | |
| | | 177 | | | | | 48 | 30 | 20 | 2 | | | | | | | | | | S |
| 08/24/83 | 5050 | | 7.6 | 76.1F | 7.6 | 94 | 9.0 | 4.0 | 5.0 | .9 | -- | 4.0 | 1.0 | -- | .0 | -- | | 39 | 0.0 | |
| 1145 | 5050 | | 94 | 24.5C | | | .45 | .33 | .22 | .02 | | .08 | .03 | | 2AF | -- | | | | |
| | | 0 | | | | | 44 | 32 | 22 | 2 | | | | | | | | | | S |
| 08/24/83 | 5050 | | 8.0 | 48.6F | 7.1 | 89 | 8.0 | 4.0 | 5.0 | .8 | -- | 4.0 | 1.0 | -- | .0 | -- | | 36 | 0.0 | |
| 1155 | 5050 | | 72 | 9.2C | | | .40 | .33 | .22 | .02 | | .08 | .03 | | 4AF | -- | | | | |
| | | 223 | | | | | 41 | 34 | 23 | 2 | | | | | | | | | | S |
| 10/03/83 | 5050 | | 8.2 | 67.6F | 8.0 | 104 | 10 | 4.0 | 6.0 | 1.2 | -- | 6.0 | 2.0 | -- | .0 | -- | | 42 | 0.0 | |
| 0810 | 5050 | | 92 | 19.8C | | | .50 | .33 | .26 | .03 | | .12 | .06 | | 0AF | -- | | | | |
| | | 0 | | | | | 45 | 29 | 23 | 3 | | | | | | | | | | S |
| 10/03/83 | 5050 | | 6.8 | 55.6F | 6.8 | 97 | 9.0 | 4.0 | 5.0 | .9 | -- | 5.0 | 1.0 | -- | .0 | -- | | 39 | 0.0 | |
| 0820 | 5050 | | 67 | 13.1C | | | .45 | .33 | .22 | .02 | | .10 | .03 | | 2AF | -- | | | | |
| | | 157 | | | | | 44 | 32 | 22 | 2 | | | | | | | | | | S |
| 10/26/83 | 5050 | | 8.7 | 64.0F | 7.4 | 107 | 9.0 | 4.0 | 6.0 | 1.2 | -- | 4.0 | 1.0 | -- | .0 | -- | | 39 | 0.0 | |
| 0815 | 5050 | | 94 | 17.8C | | | .45 | .33 | .26 | .03 | | .08 | .03 | | 1AF | -- | | | | |
| | | 0 | | | | | 42 | 31 | 24 | 3 | | | | | | | | | | S |
| 10/26/83 | 5050 | | 7.1 | 55.8F | 6.9 | 99 | 9.0 | 4.0 | 5.0 | .9 | -- | 5.0 | 1.0 | -- | .0 | -- | | 39 | 0.0 | |
| 0825 | 5050 | | 70 | 13.2C | | | .45 | .33 | .22 | .02 | | .10 | .03 | | 2AF | -- | | | | |
| | | 177 | | | | | 44 | 32 | 22 | 2 | | | | | | | | | | S |

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. Q DEPTH | DO SAT | TEMP | FIELD LABORATORY PH EC | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE | | | | MILLIGRAMS PER LITER | | | | | REY | | | |
|--|----------------|--------------------|-------------|----------------|------------------------------|-------------------------|------------------|------------------|-----------------|---|------------|------------|-----|----------------------|-----------|------------|-----------|-------------|-----------------|--|--|--|
| | | | | | | CA | MG | NA | K | CACO3 | SO4 | CL | NO3 | B TURB | F SIO2 | TDS SUM | TH NCH | SAR ASAR | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| A2 L 045.4 225.5 SHASTA LK LITTLE BACKBONE C INLET | | | | | | | | | | | | | | | | | | | A20A0 CONTINUED | | | |
| 12/20/83 0845 | 5050 5050 | | 9.6 92 | 53.6F 12.0C | 7.3 107 | 9.0 .45 42 | 4.0 .33 31 | 6.0 .26 24 | 1.2 .03 3 | -- | 4.0 .08 | 1.0 .03 | -- | .0 1AF | -- | | 39 | 0.0 | S | | | |
| 12/20/83 0855 | 5050 5050 | 0 180 | 9.2 85 | 50.4F 10.2C | 7.0 113 | 10 .50 43 | 4.0 .33 28 | 7.0 .30 26 | 1.2 .03 3 | -- | 3.0 .06 | 1.0 .03 | -- | .0 4AF | -- | | 42 | 0.0 | S | | | |
| 01/24/84 1100 | 5050 5050 | 0 | 10.5 95 | 49.5F 9.7C | 7.2 96 | 9.0 .45 44 | 4.0 .33 32 | 5.0 .22 21 | 1.1 .03 3 | -- | 4.0 .08 | 2.0 .06 | -- | .0 1AF | -- | | 39 | 0.0 | S | | | |
| 01/24/84 1100 | 5050 5050 | 0 141 | 10.1 90 | 47.8F 8.8C | 7.2 98 | 9.0 .45 44 | 4.0 .33 32 | 5.0 .22 21 | 1.0 .03 3 | -- | 4.0 .08 | 2.0 .06 | -- | .0 2AF | -- | | 39 | 0.0 | S | | | |
| 02/28/84 1300 | 5050 5050 | 0 | 11.3 102 | 49.1F 9.5C | 7.3 94 | 9.0 .45 44 | 4.0 .33 32 | 5.0 .22 21 | 1.0 .03 3 | -- | 6.0 .12 | 1.0 .03 | -- | .0 1AF | -- | | 39 | 0.0 | S | | | |
| 02/28/84 1300 | 5050 5050 | 0 148 | 10.1 88 | 46.2F 7.9C | 7.2 95 | 9.0 .45 44 | 4.0 .33 32 | 5.0 .22 21 | 1.0 .03 3 | -- | 5.0 .10 | 1.0 .03 | -- | .0 2AF | -- | | 39 | 0.0 | S | | | |
| 04/03/84 1230 | 5050 5050 | 0 | 10.8 106 | 55.4F 13.0C | 7.4 98 | 9.0 .45 44 | 4.0 .33 32 | 5.0 .22 22 | .9 .02 2 | -- | 6.0 .12 | 2.0 .06 | -- | .1 -- | -- | | 39 | 0.0 | S | | | |
| 04/03/84 1230 | 5050 5050 | 0 197 | 10.4 89 | 45.1F 7.3C | 7.2 112 | 10 .50 45 | 4.0 .33 29 | 6.0 .26 23 | 1.1 .03 3 | -- | 4.0 .08 | 2.0 .06 | -- | .1 -- | -- | | 42 | 0.0 | S | | | |
| 05/08/84 1130 | 5050 5050 | 0 138 | 9.6 85 | 47.7F 8.7C | 7.3 99 | 9.0 .45 44 | 4.0 .33 32 | 5.0 .22 21 | 1.0 .03 3 | -- | 4.0 .08 | 2.0 .06 | -- | .0 -- | -- | | 39 | 0.0 | S | | | |
| 05/08/84 1130 | 5050 5050 | 0 | 9.8 105 | 63.1F 17.3C | 7.6 93 | 9.0 .45 44 | 4.0 .33 32 | 5.0 .22 22 | .9 .02 2 | -- | 6.0 .12 | 2.0 .06 | -- | .0 -- | -- | | 39 | 0.0 | S | | | |
| 06/07/84 1130 | 5050 5050 | 0 | 9.0 99 | 65.8F 18.8C | 7.5 100 | 9.0 .45 44 | 4.0 .33 32 | 5.0 .22 21 | 1.0 .03 3 | -- | 4.0 .08 | 1.0 .03 | -- | .1 -- | -- | | 39 | 0.0 | S | | | |
| 06/07/84 1130 | 5050 5050 | 0 121 | 9.2 84 | 49.6F 9.8C | 7.2 109 108 | 9.0 .45 42 | 4.0 .33 31 | 6.0 .26 24 | 1.2 .03 3 | -- | 3.0 .06 | 2.0 .06 | -- | .1 -- | -- | | 39 | 0.0 | S | | | |

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. Q DEPTH | DO SAT | TEMP | FIELD LABORATORY PH EC | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE | | | | MILLIGRAMS PER LITER | | | | SAR ASAR | RE4 |
|--|----------------|--------------------|-------------|----------------|------------------------------|-------------------------|------------------|------------------|-----------------|---|------------|------------|-----|----------------------|------|------------|-----------|-------------|-----|
| | | | | | | CA | MG | NA | K | CACO3 | SO4 | CL | NO3 | TURB | SI02 | TDS SUM | TH NCH | | |
| A2 L 045.4 225.5 SHASTA LK LITTLE BACKBONE C INLET | | | | | | A20A0 CONTINUED | | | | | | | | | | | | | |
| 07/11/84 0800 | 5050 5050 | | 7.7 97 | 78.3F 25.7C | 7.7 103 | 9.0 .45 42 | 4.0 .33 31 | 6.0 .26 24 | 1.0 .03 3 | -- | 4.0 .08 | 1.0 .03 | -- | .0 -- | -- | | 39 | 0.0 | |
| 07/11/84 0800 | 5050 5050 | 0 | 8.7 80 | 50.7F 10.4C | 7.2 108 | 10 .50 45 | 4.0 .33 29 | 6.0 .26 23 | 1.2 .03 3 | -- | 3.0 .06 | 1.0 .03 | -- | .0 -- | -- | | 42 | 0.0 | S |
| 08/14/84 1330 | 5050 5050 | 148 | 7.7 98 | 79.3F 26.3C | 7.2 109 | 10 .50 46 | 4.0 .33 31 | 5.0 .22 20 | 1.0 .03 3 | -- | 6.0 .12 | 2.0 .06 | -- | .0 -- | -- | | 42 | 0.0 | S |
| 09/13/84 0830 | 5050 5050 | 0 | 7.9 94 | 73.2F 22.9C | 7.5 116 | 10 .50 45 | 4.0 .33 29 | 6.0 .26 23 | 1.1 .03 3 | -- | 4.0 .08 | 1.0 .03 | -- | .0 1AF | -- | | 42 | 0.0 | S |
| 09/13/84 0830 | 5050 5050 | 0 | 5.3 55 | 61.0F 16.1C | 7.0 121 | 10 .50 40 | 5.0 .41 33 | 7.0 .30 24 | 1.4 .04 3 | -- | 4.0 .08 | 2.0 .06 | -- | .0 2AF | -- | | 46 | 0.0 | S |
| 13/17/84 1100 | 5050 5050 | 98 | 7.9 84 | 62.6F 17.0C | 7.3 124 | 10 .50 40 | 5.0 .41 33 | 7.0 .30 24 | 1.4 .04 3 | -- | 4.0 .08 | 2.0 .06 | -- | .0 1AF | -- | | | 0.0 | S |
| 10/17/84 1100 | 5050 5050 | 0 | 5.6 58 | 59.9F 15.5C | 7.1 124 | 10 .50 40 | 5.0 .41 33 | 7.0 .30 24 | 1.4 .04 3 | -- | 4.0 .08 | 2.0 .06 | -- | .0 2AF | -- | | | 0.0 | S |
| A2 L 046.4 212.9 SHASTA LK SQUAW C BL ZINC C | | | | | | A20A0 | | | | | | | | | | | | | |
| 05/13/83 1045 | 5050 5050 | | 10.3 103 | 57.2F 14.0C | 7.4 91 | 11 .55 56 | 3.0 .25 25 | 4.0 .17 17 | .7 .02 2 | 40 .80 | 4.0 .08 | 1.0 .03 | -- | .0 5AF | -- | | 40 0 | 0.3 0.2 | |
| 05/13/83 1055 | 5050 5050 | 0 | 10.3 89 | 45.7F 7.6C | 7.2 111 | 14 .70 59 | 3.0 .25 21 | 5.0 .22 18 | .9 .02 2 | 51 1.02 | 4.0 .08 | 1.0 .03 | -- | .0 5AF | -- | | 48 0 | 0.3 0.3 | S |
| 06/24/83 0900 | 5050 5050 | 197 | 8.5 100 | 72.1F 22.3C | 7.9 104 | 11 .55 52 | 3.0 .25 24 | 5.0 .22 21 | 1.0 .03 3 | -- | 2.0 .04 | 1.0 .03 | -- | .0 -- | -- | | 40 | 0.0 | S |
| 06/24/83 0910 | 5050 5050 | 0 | 9.1 81 | 47.5F 8.6C | 7.3 105 | 12 .60 55 | 3.0 .25 23 | 5.0 .22 20 | .9 .02 2 | -- | 3.0 .06 | 1.0 .03 | -- | .0 -- | -- | | 42 | 0.0 | S |

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. Q DEPTH | DO SAT | TEMP | FIELD LABORATORY PH EC | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE | | | | MILLIGRAMS PER LITER | | | | RE4 | |
|------------------|----------------|--------------------|-------------|----------------|------------------------------|-----------------------------|------------------|------------------|-----------------|---|------------|------------|-----|----------------------|-----------|------------|-----------|-----|-------------|
| | | | | | | CA | MG | NA | K | CACO3 | SO4 | CL | NO3 | TURB | B SIO2 | FDS SUM | TH MCM | | SAR ASAR |
| A2 L 046.4 212.9 | | | | | | SHASTA LK SQUAW C BL ZINC C | | | | A20A0 CONTINUED | | | | | | | | | |
| 07/26/83 1145 | 5050 5050 | 0 | 8.0 98 | 75.7F 24.3C | 8.1 100 | 10 .50 46 | 4.0 .33 31 | 5.0 .22 20 | 1.0 .03 3 | -- | 3.0 .06 | 1.0 .03 | -- | .0 -- | -- | 42 | 0.0 | S | |
| 07/26/83 1155 | 5050 5050 | 171 | 7.7 71 | 50.4F 10.2C | 7.2 110 | 13 .65 57 | 3.0 .25 22 | 5.0 .22 19 | .9 .02 2 | -- | 3.0 .06 | 1.0 .03 | -- | .0 -- | -- | 45 | 0.0 | S | |
| 08/23/83 1045 | 5050 5050 | 0 | 8.2 103 | 78.4F 25.8C | 8.4 100 | 10 .50 46 | 4.0 .33 31 | 5.0 .22 20 | 1.0 .03 3 | -- | 3.0 .06 | 1.0 .03 | -- | .0 1AF | -- | 42 | 0.0 | S | |
| 08/23/83 1055 | 5050 5050 | 164 | 7.5 70 | 51.1F 10.6C | 7.2 108 | 12 .60 51 | 4.0 .33 28 | 5.0 .22 19 | .9 .02 2 | -- | 4.0 .08 | 1.0 .03 | -- | .0 3AF | -- | 46 | 0.0 | S | |
| 07/29/83 0830 | 5050 5050 | 0 | 8.9 102 | 69.4F 20.8C | 7.7 109 | 10 .50 45 | 4.0 .33 29 | 6.0 .26 23 | 1.1 .03 3 | -- | 4.0 .08 | 1.0 .03 | -- | .0 0AF | -- | 42 | 0.0 | S | |
| 07/29/83 0840 | 5050 5050 | 213 | 6.4 62 | 54.0F 12.2C | 6.9 120 | 13 .75 60 | 3.0 .25 20 | 5.0 .22 18 | .7 .02 2 | -- | 6.0 .12 | 1.0 .03 | -- | .0 4AF | -- | 50 | 0.0 | S | |
| 10/28/83 0930 | 5050 5050 | 0 | 8.3 90 | 63.7F 17.6C | 7.5 113 | 10 .50 45 | 4.0 .33 29 | 6.0 .26 23 | 1.2 .03 3 | -- | 4.0 .08 | 1.0 .03 | -- | .0 1AF | -- | 42 | 0.0 | S | |
| 10/28/83 0940 | 5050 5050 | 197 | 5.4 52 | 54.7F 12.6C | 6.9 124 | 12 .60 47 | 4.0 .33 26 | 7.0 .30 24 | 1.4 .04 3 | -- | 4.0 .08 | 2.0 .06 | -- | .0 4AF | -- | 46 | 0.0 | S | |
| 12/19/83 0945 | 5050 5050 | 0 | 9.5 91 | 53.8F 12.1C | 7.3 112 | 10 .50 45 | 4.0 .33 29 | 6.0 .26 23 | 1.2 .03 3 | -- | 4.0 .08 | 1.0 .03 | -- | .0 1AF | -- | 42 | 0.0 | S | |
| 12/19/83 0955 | 5050 5050 | 190 | 10.8 95 | 47.3F 8.5C | 7.2 117 | 11 .55 47 | 4.0 .33 28 | 6.0 .26 22 | 1.4 .04 3 | -- | 4.0 .08 | 1.0 .03 | -- | .0 6AF | -- | 44 | 0.0 | S | |
| 01/23/84 1300 | 5050 5050 | 0 | 10.7 97 | 49.3F 9.6C | 7.3 103 | 11 .55 47 | 4.0 .33 28 | 6.0 .26 22 | 1.2 .03 3 | -- | 5.0 .10 | 2.0 .06 | -- | .0 1AF | -- | 44 | 0.0 | S | |
| 01/23/84 1300 | 5050 5050 | 243 | 12.0 102 | 44.4F 6.9C | 7.2 | 11 .55 45 | 4.0 .33 27 | 7.0 .30 25 | 1.4 .04 3 | -- | 4.0 .08 | 2.0 .06 | -- | .0 -- | -- | 44 | 0.0 | S | |

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. Q DEPTH | DO SAT | TEMP | FIELD LABORATORY PH EC | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE | | | | MILLIGRAMS PER LITER | | | | REY | |
|--|----------------|--------------------|-------------|----------------|------------------------------|-------------------------|------------------|------------------|-----------------|---|------------|------------|-----|----------------------|-----------|------------|-----------|-----|-------------|
| | | | | | | CA | MG | NA | K | CACO3 | SO4 | CL | NO3 | TURB | B SIO2 | FDS SUM | TH NCH | | SAR ASAR |
| | | | | | | | | | | | | | | | | | | | |
| A2 L 046.4 212.9 SHASTA LK SQUAW C BL ZINC C | | | | | | A20A0 CONTINUED | | | | | | | | | | | | | |
| 02/27/84 1000 | 5050 5050 | | 11.4 102 | 48.6F 9.2C | 7.6 108 | 11 .95 49 | 4.0 .33 29 | 5.0 .22 19 | 1.0 .03 3 | -- | 5.0 .10 | 1.0 .03 | -- | .1 1AF | -- | | 44 | 0.0 | |
| 02/27/84 1000 | 5050 5050 | 213 | 11.9 101 | 44.4F 6.9C | 7.3 126 | 10 .50 38 | 5.0 .41 32 | 8.0 .35 27 | 1.5 .04 3 | -- | 5.0 .10 | 2.0 .06 | -- | .0 13AF | -- | | 46 | 0.0 | |
| 04/02/84 1300 | 5050 5050 | 0 | 10.7 104 | 55.0F 12.8C | 7.6 106 | 11 .55 49 | 4.0 .33 29 | 5.0 .22 20 | .9 .02 2 | -- | 4.0 .08 | 2.0 .06 | -- | .1 -- | -- | | 44 | 0.0 | |
| 04/02/84 1300 | 5050 5050 | 213 | 10.2 88 | 45.3F 7.4C | 7.3 129 | 13 .65 50 | 4.0 .33 25 | 7.0 .30 23 | 1.3 .03 2 | -- | 5.0 .10 | 2.0 .06 | -- | .1 -- | -- | | 49 | 0.0 | |
| 05/07/84 1100 | 5050 5050 | 0 | 10.0 102 | 59.0F 15.0C | 7.6 100 | 10 .50 46 | 4.0 .33 31 | 5.0 .22 20 | 1.0 .03 3 | -- | 5.0 .10 | 2.0 .06 | -- | .0 -- | -- | | 42 | 0.0 | |
| 05/07/84 1100 | 5050 5050 | 230 | 8.8 77 | 46.2F 7.9C | 7.3 122 | 13 .65 51 | 4.0 .33 26 | 6.0 .26 20 | 1.1 .03 2 | -- | 5.0 .10 | 2.0 .06 | -- | .0 -- | -- | | 49 | 0.0 | |
| 06/05/84 0930 | 5050 5050 | 0 | 8.7 99 | 68.4F 20.2C | 7.7 105 7.7 108 | 10 .50 45 | 4.0 .33 29 | 6.0 .26 23 | 1.1 .03 3 | -- | 3.0 .06 | 1.0 .03 | -- | .0 -- | -- | | 42 | 0.0 | |
| 06/05/84 0930 | 5050 5050 | 220 | 8.6 75 | 46.8F 8.2C | 7.2 125 7.8 126 | 14 .70 53 | 4.0 .33 25 | 6.0 .26 20 | 1.1 .03 2 | -- | 4.0 .08 | 1.0 .03 | -- | .0 -- | -- | | 52 | 0.0 | |
| 07/10/84 1130 | 5050 5050 | 220 | 8.7 | | 7.2 120 | 15 .75 56 | 4.0 .33 25 | 5.0 .22 17 | 1.0 .03 2 | -- | 5.0 .10 | 1.0 .03 | -- | .0 -- | -- | | 54 | 0.0 | |
| 07/10/84 1130 | 5050 5050 | 0 | 8.0 103 | 80.6F 27.0C | 7.6 109 | 10 .50 45 | 4.0 .33 29 | 6.0 .26 23 | 1.1 .03 3 | -- | 3.0 .06 | 2.0 .06 | -- | .0 -- | -- | | 42 | 0.0 | |
| 08/13/84 1200 | 5050 5050 | 226 | 4.3 39 | 48.4F 9.1C | 7.1 137 | 16 .80 58 | 4.0 .33 24 | 5.0 .22 16 | .9 .02 1 | -- | 6.0 .12 | 1.0 .03 | -- | .0 -- | -- | | 56 | 0.0 | |
| 08/13/84 1200 | 5050 5050 | 0 | 8.5 110 | 81.0F 27.2C | 8.0 119 | 11 .55 47 | 4.0 .33 28 | 6.0 .26 22 | 1.2 .03 3 | -- | 5.0 .10 | 2.0 .06 | -- | .0 -- | -- | | 44 | 0.0 | |

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. Q DEPTH | DO SAT | TEMP | FIELD LABORATORY PH EC | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER | | | | MILLIGRAMS PER LITER | | | | | REY | | | | | |
|--|----------------|--------------------|-----------|-------|------------------------------|-------------------------|-----|-----|-----|--|------------------|-------------|-----|----------------------|-----------|-----------------|-----------|-------------|-----------------|---|--|--|--|--|
| | | | | | | CA | MG | NA | K | PERCENT CACO3 | REACTANCE SO4 | VALUE CL | NO3 | TURB | B SIO2 | F TDS SUM | TH NCH | SAR ASAR | | | | | | |
| A2 L 046.4 212.9 SHASTA LK SQUAW C BL ZINC C | | | | | | | | | | | | | | | | | | | A20A0 CONTINUED | | | | | |
| 09/11/84 | 5050 | | 3.0 | 48.7F | 7.0 | 136 | 16 | 4.0 | 6.0 | 1.0 | -- | 5.0 | 1.0 | -- | .0 | -- | | 56 | 0.0 | | | | | |
| 1045 | 5050 | 236 | 27 | 9.3C | | | .80 | .33 | .26 | .03 | | .10 | .03 | | 3AF | -- | | | | S | | | | |
| | | | | | | | 56 | 23 | 18 | 2 | | | | | | | | | | | | | | |
| 09/11/84 | 5050 | | 7.9 | 75.6F | 7.9 | 120 | 11 | 4.0 | 6.0 | 1.2 | -- | 4.0 | 1.0 | -- | .0 | -- | | 44 | 0.0 | | | | | |
| 1045 | 5050 | 0 | 97 | 24.2C | | | .55 | .33 | .26 | .03 | | .08 | .03 | | 1AF | -- | | | | S | | | | |
| | | | | | | | 47 | 28 | 22 | 3 | | | | | | | | | | | | | | |
| 10/15/84 | 5050 | | 0.5 | 49.5F | 6.8 | 144 | 16 | 4.0 | 6.0 | 1.0 | -- | 5.0 | 1.0 | -- | .0 | -- | | | 0.0 | | | | | |
| 1100 | 5050 | 226 | 5 | 9.7C | | | .80 | .33 | .26 | .03 | | .10 | .03 | | 3AF | -- | | | | S | | | | |
| | | | | | | | 56 | 23 | 18 | 2 | | | | | | | | | | | | | | |
| 10/15/84 | 5050 | | 7.8 | 63.9F | 7.3 | 131 | 11 | 5.0 | 7.0 | 1.3 | -- | 4.0 | 2.0 | -- | .0 | -- | | | 0.0 | | | | | |
| 1100 | 5050 | 0 | 84 | 17.7C | | | .55 | .41 | .30 | .03 | | .08 | .06 | | 1AF | -- | | | | S | | | | |
| | | | | | | | 43 | 32 | 23 | 2 | | | | | | | | | | | | | | |
| A2 L 048.4 217.6 SHASTA LK MCCLLOUD R ARM | | | | | | | | | | | | | | | | | | | A24A0 | | | | | |
| 05/12/83 | 5050 | | 10.8 | 52.7F | 8.0 | 87 | 10 | 3.0 | 4.0 | .6 | | 3.0 | 1.0 | -- | .0 | -- | | 38 | 0.3 | | | | | |
| 1015 | 5050 | 0 | 102 | 11.5C | | 86 | .50 | .25 | .17 | .02 | .74 | .06 | .03 | | 2AF | -- | 44 | 1 | 0.2 | S | | | | |
| | | | | | | | 53 | 27 | 18 | 2 | | | | | | | | | | | | | | |
| 05/12/83 | 5050 | | 11.2 | 44.8F | 7.2 | 89 | 11 | 3.0 | 4.0 | .7 | 39 | 2.0 | 1.0 | -- | .0 | -- | | 40 | 0.3 | | | | | |
| 1025 | 5050 | 223 | 96 | 7.1C | | 89 | .55 | .25 | .17 | .02 | .78 | .04 | .03 | | 5AF | -- | 45 | 1 | 0.2 | S | | | | |
| | | | | | | | 56 | 25 | 17 | 2 | | | | | | | | | | | | | | |
| 06/22/83 | 5050 | | 8.5 | 70.3F | 7.7 | | 10 | 3.0 | 5.0 | .9 | -- | 4.0 | 1.0 | -- | .0 | -- | | 38 | 0.0 | | | | | |
| 0930 | 5050 | 0 | 99 | 21.3C | | 100 | .50 | .25 | .22 | .02 | | .08 | .03 | | -- | -- | | | | S | | | | |
| | | | | | | | 51 | 25 | 22 | 2 | | | | | | | | | | | | | | |
| 06/22/83 | 5050 | | 9.4 | 46.4F | 7.3 | | 11 | 2.0 | 4.0 | .7 | -- | 1.0 | 1.0 | -- | .0 | -- | | 36 | 0.0 | | | | | |
| 0940 | 5050 | 279 | 82 | 8.0C | | 90 | .55 | .16 | .17 | .02 | | .02 | .03 | | -- | -- | | | | S | | | | |
| | | | | | | | 61 | 18 | 19 | 2 | | | | | | | | | | | | | | |
| 07/28/83 | 5050 | | 8.8 | 75.0F | 8.0 | 98 | 10 | 3.0 | 5.0 | 1.0 | -- | 3.0 | 1.0 | -- | .0 | -- | | 38 | 0.0 | | | | | |
| 0930 | 5050 | 0 | 107 | 23.9C | | | .50 | .25 | .22 | .03 | | .06 | .03 | | -- | -- | | | | S | | | | |
| | | | | | | | 50 | 25 | 22 | 3 | | | | | | | | | | | | | | |
| 07/28/83 | 5050 | | 8.4 | 49.1F | 7.3 | 90 | 11 | 3.0 | 4.0 | .6 | -- | 2.0 | 1.0 | -- | .0 | -- | | 40 | 0.0 | | | | | |
| 0940 | 5050 | 197 | 76 | 9.5C | | | .55 | .25 | .17 | .02 | | .04 | .03 | | -- | -- | | | | S | | | | |
| | | | | | | | 56 | 25 | 17 | 2 | | | | | | | | | | | | | | |
| 08/24/83 | 5050 | | 7.8 | 74.7F | 7.9 | 98 | 10 | 4.0 | 5.0 | .9 | -- | 4.0 | 1.0 | -- | .0 | -- | | 42 | 0.0 | | | | | |
| 0815 | 5050 | 0 | 95 | 23.7C | | | .50 | .33 | .22 | .02 | | .08 | .03 | | 2AF | -- | | | | S | | | | |
| | | | | | | | 47 | 31 | 21 | 2 | | | | | | | | | | | | | | |

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. Q DEPTH | DO SAT | TEMP | FIELD LABORATORY PH EC | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER | | | | MILLIGRAMS PER LITER | | | | REY | |
|------------------|----------------|--------------------|-------------|----------------|------------------------------|--------------------------|------------------|------------------|-----------------|--|------------|------------|-----|----------------------|-----------|------------|-----------|-----|-------------|
| | | | | | | CA | MG | NA | K | PERCENT REACTANCE VALUE | | | | B TURB | F SIQ2 | TDS SUM | TH NCH | | SAR ASAR |
| | | | | | | | | | | CACD3 | SO4 | CL | NO3 | | | | | | |
| A2 L 04R.4 217.6 | | | | | | SHASTA LK MCCLLOUD R ARM | | | | A24AO CONTINUED | | | | | | | | | |
| 08/24/83 0825 | 5050 5050 | | 7.6 66 | 46.6F 8.1C | 7.1 90 | 11 .55 56 | 3.0 .25 25 | 4.0 .17 17 | .6 .02 2 | -- | 2.0 .04 | 1.0 .03 | -- | .0 2AF | -- | | 40 | 0.0 | |
| 10/03/83 1100 | 5050 5050 | 279 0 | 8.4 95 | 67.6F 19.8C | 7.6 107 | 10 .50 45 | 4.0 .33 29 | 6.0 .26 23 | 1.0 .03 3 | -- | 4.0 .08 | 1.0 .03 | -- | .0 0AF | -- | | 42 | 0.0 | |
| 10/03/83 1110 | 5050 5050 | 279 | 5.9 52 | 47.5F 8.6C | 6.9 96 | 12 .60 58 | 3.0 .25 24 | 4.0 .17 16 | .6 .02 2 | -- | 4.0 .08 | 1.0 .03 | -- | .0 1AF | -- | | 42 | 0.0 | |
| 10/26/83 1045 | 5050 5050 | 0 | 8.4 90 | 63.5F 17.5C | 7.5 109 | 10 .50 45 | 4.0 .33 29 | 6.0 .26 23 | 1.2 .03 3 | -- | 4.0 .08 | 1.0 .03 | -- | .0 1AF | -- | | 42 | 0.0 | |
| 10/26/83 1055 | 5050 5050 | 295 | 4.2 37 | 46.6F 8.1C | 6.9 102 | 12 .60 58 | 3.0 .25 24 | 4.0 .17 16 | .7 .02 2 | -- | 3.0 .06 | 1.0 .03 | -- | .0 7AF | -- | | 42 | 0.0 | |
| 12/20/83 1130 | 5050 5050 | 0 | 9.7 92 | 53.2F 11.8C | 7.3 110 | 10 .50 45 | 4.0 .33 29 | 6.0 .26 23 | 1.1 .03 3 | -- | 4.0 .08 | 1.0 .03 | -- | .0 1AF | -- | | 42 | 0.0 | |
| 12/20/83 1140 | 5050 5050 | 197 | 10.5 95 | 48.9F 9.4C | 7.2 98 | 10 .50 51 | 3.0 .25 25 | 5.0 .22 22 | .9 .02 2 | -- | 3.0 .06 | 1.0 .03 | -- | .0 4AF | -- | | 38 | 0.0 | |
| 01/24/84 0830 | 5050 5050 | 0 | 10.8 97 | 48.4F 9.1C | 7.3 101 | 10 .50 46 | 4.0 .33 31 | 5.0 .22 20 | 1.0 .03 3 | -- | 3.0 .06 | 2.0 .06 | -- | .0 1AF | -- | | 42 | 0.0 | |
| 01/24/84 0830 | 5050 5050 | 230 | 11.6 100 | 45.5F 7.5C | 7.2 115 | 11 .55 42 | 5.0 .41 32 | 7.0 .30 23 | 1.5 .04 3 | -- | 4.0 .08 | 2.0 .06 | -- | .0 8AF | -- | | 48 | 0.0 | |
| 02/28/84 0930 | 5050 5050 | 0 | 11.0 96 | 46.8F 8.2C | 7.3 103 | 11 .55 49 | 4.0 .33 29 | 5.0 .22 19 | 1.0 .03 3 | -- | 4.0 .08 | 1.0 .03 | -- | .0 1AF | -- | | 44 | 0.0 | |
| 02/28/84 0930 | 5050 5050 | 312 | 10.5 88 | 43.3F 6.3C | 7.2 121 | 12 .60 45 | 4.0 .33 25 | 8.0 .35 27 | 1.6 .04 3 | -- | 5.0 .10 | 2.0 .06 | -- | .0 8AF | -- | | 46 | 0.0 | |
| 04/03/84 0930 | 5050 5050 | 0 | 10.6 102 | 53.8F 12.1C | 7.6 103 | 10 .50 47 | 4.0 .33 31 | 5.0 .22 21 | .9 .02 2 | -- | 4.0 .08 | 2.0 .06 | -- | .0 -- | -- | | 42 | 0.0 | |

MINERAL ANALYSES OF SURFACE WATER

[illegible]

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. Q DEPTH | DO SAT | TEMP | FIELD LABORATORY PH EC | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER | | | | MILLIGRAMS PER LITER | | | | | REMARKS | | | | | |
|---|----------------|--------------------|-----------|-------|------------------------------|-------------------------|-----|-----|-----|--|------------------|-------------|-----|----------------------|-----------|------------|-----------|-------------|-----------------|---|--|--|--|--|
| | | | | | | CA | MG | NA | K | PERCENT CACO3 | REACTANCE SO4 | VALUE CL | NO3 | B TURB | F SIO2 | TDS SUM | TH NCH | SAR ASAR | | | | | | |
| ***** | | | | | | | | | | | | | | | | | | | | | | | | |
| A2 L 048.4 217.6 SHASTA LK MCCLLOUD R ARM | | | | | | | | | | | | | | | | | | | A24A0 CONTINUED | | | | | |
| 10/17/84 | 5050 | | 3.7 | 42.8F | 7.0 | 136 | 11 | 4.0 | 7.0 | 1.3 | -- | 4.0 | 2.0 | -- | .0 | -- | | 0.0 | | | | | | |
| 0830 | 5050 | | 31 | 6.0C | | | .55 | .33 | .30 | .03 | | .08 | .06 | | 7AF | -- | | | | | | | | |
| | | 298 | | | | | 45 | 27 | 25 | 2 | | | | | | | | | S | | | | | |
| A2 L 048.5 222.8 SHASTA LK SACRAMENTO R ARM | | | | | | | | | | | | | | | | | | | A24A0 | | | | | |
| 06/21/83 | 5050 | | 8.9 | 69.6F | 8.3 | | 9.0 | 3.0 | 4.0 | .7 | -- | 4.0 | 1.0 | -- | .0 | -- | | 35 | 0.0 | | | | | |
| 0830 | 5050 | | 102 | 20.9C | | 87 | .45 | .25 | .17 | .02 | | .08 | .03 | | | -- | | | | S | | | | |
| | | 0 | | | | | 51 | 28 | 19 | 2 | | | | | | | | | | | | | | |
| 06/21/83 | 5050 | | | | 7.2 | | 7.0 | 4.0 | 4.0 | .6 | -- | 2.0 | 1.0 | -- | .0 | -- | | 34 | 0.0 | | | | | |
| 0840 | 5050 | | | | | 83 | .35 | .33 | .17 | .02 | | .04 | .03 | | | -- | | | | S | | | | |
| | | 344 | | | | | 40 | 38 | 20 | 2 | | | | | | | | | | | | | | |
| 07/27/83 | 5050 | | 8.0 | 73.9F | 8.0 | 93 | 8.0 | 4.0 | 5.0 | 1.0 | -- | 4.0 | 1.0 | -- | .0 | -- | | 36 | 0.0 | | | | | |
| 0840 | 5050 | | 96 | 23.3C | | | .40 | .33 | .22 | .03 | | .08 | .03 | | | -- | | | | S | | | | |
| | | 0 | | | | | 41 | 34 | 22 | 3 | | | | | | | | | | | | | | |
| 07/27/83 | 5050 | | 7.5 | 46.2F | 7.0 | 73 | 6.0 | 4.0 | 3.0 | .6 | -- | 2.0 | 1.0 | -- | .0 | -- | | 32 | 0.0 | | | | | |
| 0850 | 5050 | | 65 | 7.9C | | | .30 | .33 | .13 | .02 | | .04 | .03 | | | -- | | | | S | | | | |
| | | 312 | | | | | 38 | 42 | 17 | 3 | | | | | | | | | | | | | | |
| 08/25/83 | 5050 | | 8.1 | 75.0F | 7.9 | 95 | 9.0 | 4.0 | 5.0 | .9 | -- | 3.0 | 1.0 | -- | .0 | -- | | 39 | 0.0 | | | | | |
| 0815 | 5050 | | 99 | 23.9C | | | .45 | .33 | .22 | .02 | | .06 | .03 | | 1AF | -- | | | | S | | | | |
| | | 0 | | | | | 44 | 32 | 22 | 2 | | | | | | | | | | | | | | |
| 08/25/83 | 5050 | | 6.5 | 46.2F | 7.0 | 80 | 6.0 | 4.0 | 3.0 | .5 | -- | 2.0 | 1.0 | -- | .1 | -- | | 32 | 0.0 | | | | | |
| 0825 | 5050 | | 57 | 7.9C | | | .30 | .33 | .13 | .01 | | .04 | .03 | | 3AF | -- | | | | S | | | | |
| | | 308 | | | | | 39 | 43 | 17 | 1 | | | | | | | | | | | | | | |
| 10/04/83 | 5050 | | 8.3 | 67.6F | 7.5 | 104 | 9.0 | 4.0 | 5.0 | 1.0 | -- | 4.0 | 1.0 | -- | .0 | -- | | 39 | 0.0 | | | | | |
| 0830 | 5050 | | 94 | 19.8C | | | .45 | .33 | .22 | .03 | | .08 | .03 | | 0AF | -- | | | | S | | | | |
| | | 0 | | | | | 44 | 32 | 21 | 3 | | | | | | | | | | | | | | |
| 10/04/83 | 5050 | | 6.0 | 46.9F | 6.9 | 82 | 6.0 | 5.0 | 3.0 | .4 | -- | 2.0 | 1.0 | -- | .0 | -- | | 36 | 0.0 | | | | | |
| 0840 | 5050 | | 53 | 8.3C | | | .30 | .41 | .13 | .01 | | .04 | .03 | | 2AF | -- | | | | S | | | | |
| | | 292 | | | | | 35 | 48 | 15 | 1 | | | | | | | | | | | | | | |
| 10/27/83 | 5050 | | 8.1 | 63.0F | 7.4 | 108 | 9.0 | 4.0 | 6.0 | 1.1 | -- | 4.0 | 2.0 | -- | .0 | -- | | 39 | 0.0 | | | | | |
| 0930 | 5050 | | 87 | 17.2C | | | .45 | .33 | .26 | .03 | | .08 | .06 | | 0AF | -- | | | | S | | | | |
| | | 0 | | | | | 42 | 31 | 24 | 3 | | | | | | | | | | | | | | |
| 10/27/83 | 5050 | | 5.7 | 46.2F | 6.8 | 82 | 6.0 | 5.0 | 3.0 | .5 | -- | 3.0 | 1.0 | -- | .0 | -- | | 36 | 0.0 | | | | | |
| 0940 | 5050 | | 50 | 7.9C | | | .30 | .41 | .13 | .01 | | .06 | .03 | | 4AF | -- | | | | S | | | | |
| | | 295 | | | | | 35 | 48 | 15 | 1 | | | | | | | | | | | | | | |

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. Q DEPTH | DO SAT | TEMP | FIELD LABORATORY PH EC | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER | | | | MILLIGRAMS PER LITER | | | | REMARKS | |
|---|----------------|--------------------|-------------|----------------|------------------------------|-------------------------|------------------|------------------|-----------------|--|------------|------------|-----|----------------------|-----------|------------|-----------|---------|-------------|
| | | | | | | CA | MG | NA | K | PERCENT REACTANCE VALUE | | | | TURB | F SID2 | TDS SUM | TH NCH | | SAR ASAR |
| | | | | | | | | | | CACO3 | SO4 | CL | NO3 | | | | | | |
| A2 L 048.5 222.8 SHASTA LK SACRAMENTO R ARM | | | | | | A24A0 CONTINUED | | | | | | | | | | | | | |
| 12/05/83 1120 | 5050 5050 | 0 | 9.4 92 | 55.0F 12.8C | 7.5 103 | 8.0 .40 36 | 5.0 .41 37 | 6.0 .26 24 | 1.1 .03 3 | -- | 3.0 .06 | 1.0 .03 | -- | .0 1AF | -- | | 40 | 0.0 | S |
| 12/05/83 1130 | 5050 5050 | 279 | 6.5 59 | 48.9F 9.4C | 6.8 80 | 6.0 .30 35 | 5.0 .41 48 | 3.0 .13 15 | .5 .01 1 | -- | 2.0 .04 | 1.0 .03 | -- | .0 5AF | -- | | 36 | 0.0 | S |
| 01/25/84 0930 | 5050 5050 | 285 | 11.6 100 | 45.7F 7.6C | 7.2 108 | 11 .55 45 | 4.0 .33 27 | 7.0 .30 25 | 1.4 .04 3 | -- | 4.0 .08 | 2.0 .06 | -- | .0 8AF | -- | | 44 | 0.0 | S |
| 01/25/84 0930 | 5050 5050 | 0 | 10.6 95 | 48.6F 9.2C | 7.3 94 | 8.0 .40 41 | 4.0 .33 34 | 5.0 .22 23 | .9 .02 2 | -- | 3.0 .06 | 2.0 .06 | -- | .0 1AF | -- | | 36 | 0.0 | S |
| 02/29/84 0930 | 5050 5050 | 315 | 10.7 90 | 43.5F 6.4C | 7.2 118 | 11 .55 41 | 5.0 .41 30 | 8.0 .35 26 | 1.5 .04 3 | -- | 5.0 .10 | 2.0 .06 | -- | .0 6AF | -- | | 48 | 0.0 | S |
| 02/29/84 0930 | 5050 5050 | 0 | 11.1 99 | 47.8F 8.8C | 7.4 93 | 8.0 .40 41 | 4.0 .33 34 | 5.0 .22 23 | .9 .02 2 | -- | 4.0 .08 | 1.0 .03 | -- | .1 1AF | -- | | 36 | 0.0 | S |
| 04/04/84 0930 | 5050 5050 | 0 | 10.8 102 | 52.7F 11.5C | 7.7 92 | 9.0 .45 44 | 4.0 .33 32 | 5.0 .22 22 | .9 .02 2 | -- | 4.0 .08 | 2.0 .06 | -- | .1 -- | -- | | 39 | 0.0 | S |
| 04/04/84 0930 | 5050 5050 | 312 | 10.4 87 | 43.7F 6.5C | 7.3 122 | 11 .55 41 | 5.0 .41 30 | 8.0 .35 26 | 1.5 .04 3 | -- | 5.0 .10 | 2.0 .06 | -- | .0 -- | -- | | 48 | 0.0 | S |
| 05/09/84 0930 | 5050 5050 | 0 | 10.0 102 | 58.6F 14.8C | 7.6 96 | 9.0 .45 44 | 4.0 .33 32 | 5.0 .22 22 | .9 .02 2 | -- | 4.0 .08 | 2.0 .06 | -- | .0 -- | -- | | 39 | 0.0 | S |
| 05/09/84 0930 | 5050 5050 | 308 | 9.6 81 | 43.9F 6.6C | 7.2 104 | 10 .50 45 | 4.0 .33 29 | 6.0 .26 23 | 1.1 .03 3 | -- | 4.0 .08 | 2.0 .06 | -- | .0 -- | -- | | 42 | 0.0 | S |
| 06/08/84 1100 | 5050 5050 | 0 | 9.1 99 | 64.6F 18.1C | 7.4 99 7.7 102 | 9.0 .45 44 | 4.0 .33 32 | 5.0 .22 21 | 1.0 .03 3 | -- | 3.0 .06 | 1.0 .03 | -- | .0 -- | -- | | 39 | 0.0 | S |
| 06/08/84 1100 | 5050 5050 | 262 | 8.5 73 | 45.1F 7.3C | 7.2 101 7.7 102 | 8.0 .40 38 | 5.0 .41 39 | 5.0 .22 21 | .9 .02 2 | -- | 2.0 .04 | 2.0 .06 | -- | .0 -- | -- | | 40 | 0.0 | S |

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. Q DEPTH | DO SAT | TEMP | FIELD LABORATORY PH EC | MINERAL CONSTITUENTS IN | | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE | | | | MILLIGRAMS PER LITER | | | | RE4 | |
|---|----------------|--------------------|-----------|-------|------------------------------|-------------------------|-----|-----|-----|-------|---|-----|-----|------|----------------------|----|------------|-----------|-------------|-----|
| | | | | | | CA | MG | NA | K | CACD3 | SD4 | CL | NO3 | TURB | B SIO2 | F | TDS SUM | TH NCH | SAR ASAR | RE4 |
| ***** | | | | | | | | | | | | | | | | | | | | |
| A2 L 048.5 222.6 SHASTA LK SACRAMENTO R ARM | | | | | | A24A0 CONTINUED | | | | | | | | | | | | | | |
| 07/12/84 | 5050 | | 7.8 | 77.7F | 7.6 | 101 | 9.0 | 4.0 | 5.0 | 1.0 | -- | 3.0 | 1.0 | -- | .0 | -- | | 39 | 0.0 | |
| 1000 | 5050 | | 98 | 25.4C | | | .45 | .33 | .22 | .03 | | .06 | .03 | | -- | | | | | |
| | | 0 | | | | | 44 | 32 | 21 | 3 | | | | | | | | | | S |
| 07/12/84 | 5050 | | 8.9 | 48.0F | 7.1 | 103 | 9.0 | 5.0 | 6.0 | 1.0 | -- | 2.0 | 2.0 | -- | .1 | -- | | 43 | 0.0 | |
| 1000 | 5050 | | 79 | 8.9C | | | .45 | .41 | .26 | .03 | | .04 | .06 | | -- | | | | | |
| | | 279 | | | | | 39 | 36 | 23 | 3 | | | | | | | | | | S |
| 08/15/84 | 5050 | | 7.9 | 78.4F | 7.5 | | 10 | 4.0 | 5.0 | 1.0 | -- | 5.0 | 2.0 | -- | .0 | -- | | 42 | 0.0 | |
| 1000 | 5050 | | 100 | 25.8C | | 110 | .50 | .33 | .22 | .03 | | .10 | .06 | | -- | | | | | |
| | | 0 | | | | | 46 | 31 | 20 | 3 | | | | | | | | | | S |
| 08/15/84 | 5050 | | 3.7 | 44.6F | 6.8 | | 10 | 5.0 | 6.0 | 1.1 | -- | 4.0 | 2.0 | -- | .0 | -- | | 46 | 0.0 | |
| 1000 | 5050 | | 31 | 7.0C | | 119 | .50 | .41 | .26 | .03 | | .08 | .06 | | -- | | | | | |
| | | 302 | | | | | 42 | 34 | 22 | 3 | | | | | | | | | | S |
| 09/10/84 | 5050 | | 8.1 | 75.0F | 7.6 | 116 | 9.0 | 5.0 | 6.0 | 1.1 | -- | 3.0 | 2.0 | -- | .0 | -- | | 43 | 0.0 | |
| 1100 | 5050 | | 99 | 23.9C | | | .45 | .41 | .26 | .03 | | .06 | .06 | | 1AF | -- | | | | |
| | | 0 | | | | | 39 | 36 | 23 | 3 | | | | | | | | | | S |
| 09/10/84 | 5050 | | 3.9 | 44.6F | 6.9 | 119 | 10 | 5.0 | 6.0 | 1.2 | -- | 3.0 | 2.0 | -- | .0 | -- | | 46 | 0.0 | |
| 1100 | 5050 | | 33 | 7.0C | | | .50 | .41 | .26 | .03 | | .06 | .06 | | 5AF | -- | | | | |
| | | 295 | | | | | 42 | 34 | 22 | 3 | | | | | | | | | | S |
| 10/18/84 | 5050 | | 8.1 | 61.7F | 7.3 | 127 | 10 | 5.0 | 7.0 | 1.4 | -- | 3.0 | 2.0 | -- | .0 | -- | | | 0.0 | |
| 0830 | 5050 | | 85 | 16.5C | | | .50 | .41 | .30 | .04 | | .06 | .06 | | 1AF | -- | | | | |
| | | 0 | | | | | 40 | 33 | 24 | 3 | | | | | | | | | | S |
| 10/18/84 | 5050 | | 4.1 | 44.2F | 6.7 | 133 | 9.0 | 5.0 | 6.0 | 1.0 | -- | 3.0 | 2.0 | -- | .0 | -- | | | 0.0 | |
| 0830 | 5050 | | 35 | 6.8C | | | .45 | .41 | .26 | .03 | | .06 | .06 | | 1AF | -- | | | | |
| | | 282 | | | | | 39 | 36 | 23 | 3 | | | | | | | | | | S |
| A2 1010.00 SACRAMENTO R A KESWICK | | | | | | A19C0 | | | | | | | | | | | | | | |
| 04/12/83 | 5050 | | 12.0 | 50 F | 7.0 | 81 | 7.0 | 4.0 | 3.0 | .6 | 31 | -- | 1.0 | -- | .0 | -- | | 34 | 0.2 | |
| 1220 | 5050 | 6750 | 108 | 10 C | 7.9 | 81 | .35 | .33 | .13 | .02 | .62 | | .03 | | 23A | -- | | 3 | 0.1 | |
| | | | | | | | 42 | 40 | 16 | 2 | | | | | | | | | | S |
| 04/29/83 | 5050 | | 11.6 | 48.0F | 7.0 | 82 | 6.0 | 5.0 | 3.0 | .5 | 34 | 5.0 | 1.0 | -- | .0 | -- | | 36 | 0.2 | |
| 0940 | 5050 | | 101 | 8.9C | | | .30 | .41 | .13 | .01 | .68 | .10 | .03 | | 11AF | -- | 41 | 2 | 0.1 | |
| | | | | | | | 35 | 48 | 15 | 1 | | | | | | | | | | S |
| 05/11/83 | 5050 | | 12.4 | 51.8F | 7.2 | 89 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| 1325 | 5050 | 25000 | 114 | 11.0C | | | | | | | | | | | 9AF | -- | | | | |

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAR | G.H. Q DEPTH | DD SAT | TEMP | FIELD LABORATORY PH EC | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER | | | | MILLIGRAMS PER LITER | | | | | | RE4 |
|------------------|----------------|------------------------|-------------|----------------|------------------------------|-------------------------|------------------|------------------|------------------|--|-----|-----------------|------------|----------------------|-----------|------------|-----------|-------------|-----|-----|
| | | | | | | CA | MG | NA | K | PERCENT REACTANCE VALUE | | | | TURB | F SI02 | TDS SUM | TH NCH | SAR ASAR | | |
| | | | | | | | | | | CACO3 | SD4 | CL | NO3 | | | | | | | |
| ***** | | | | | | | | | | | | | | | | | | | | |
| A2 1010.00 | | SACRAMENTO R A KESWICK | | | | | | | | | | A19C0 CONTINUED | | | | | | | | |
| 06/10/83 1000 | 5050 5050 | 14500 | 11.0 100 | 50.9F 10.5C | 7.2 | 92 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 6AF | -- | | | |
| 06/17/83 1300 | 5050 5050 | | 11.1 102 | 52.0F 11.1C | 7.1 | 86 | 8.0 .40 43 | 4.0 .33 36 | 4.0 .17 18 | .7 .02 2 | -- | 4.0 .08 | 1.0 .03 | -- | .0 | -- | | 36 | 0.0 | S |
| 07/06/83 1015 | 5050 5050 | 14000 | 10.9 100 | 51.8F 11.0C | 7.1 | 90 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 5AF | -- | | | |
| 07/15/83 1300 | 5050 5050 | | 11.7 108 | 52.0F 11.1C | 7.1 | 96 | 8.0 .40 43 | 4.0 .33 36 | 4.0 .17 18 | .8 .02 2 | -- | 5.0 .10 | 1.0 .03 | -- | .0 | -- | | 36 | 0.0 | S |
| 08/16/83 0945 | 5050 5050 | 10500 | 10.0 96 | 55.4F 13.0C | 7.2 | 84 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 4AF | -- | | | |
| 08/17/83 1130 | 5050 5050 | | 10.0 93 | 53.1F 11.7C | 7.1 | 96 | 8.0 .40 43 | 4.0 .33 36 | 4.0 .17 18 | .9 .02 2 | -- | 4.0 .08 | 1.0 .03 | -- | .0 | -- | | 36 | 0.0 | S |
| 09/21/83 1310 | 5050 5050 | | 9.7 91 | 53.4F 11.9C | 7.1 | 91 | 8.0 .40 43 | 4.0 .33 36 | 4.0 .17 18 | .7 .02 2 | -- | 4.0 .08 | 1.0 .03 | -- | .0 | -- | | 36 | 0.0 | S |
| 09/26/83 1105 | 5050 5050 | 10000 | 10.0 96 | 55.4F 13.0C | 7.1 | 88 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 3AF | -- | | | |
| 10/20/83 1030 | 5050 5050 | | 9.1 87 | 55.0F 12.8C | 7.1 | 95 | 8.0 .40 43 | 4.0 .33 36 | 4.0 .17 18 | .6 .02 2 | -- | 4.0 .08 | 1.0 .03 | -- | .0 | -- | | 36 | 0.0 | S |
| 11/15/83 1205 | 5050 5050 | 14500 | 8.8 85 | 55.4F 13.0C | 7.2 | 107 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 3AF | -- | | | |
| 11/30/83 1100 | 5050 5050 | | 9.6 91 | 54.0F 12.2C | 7.1 | 110 | 9.0 .45 39 | 5.0 .41 36 | 6.0 .26 23 | 1.1 .03 3 | -- | 4.0 .08 | 1.0 .03 | -- | .0 | -- | | 43 | 0.0 | S |
| 12/21/83 1110 | 5050 5050 | | 11.9 108 | 50.9F 10.5C | 7.1 | 106 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 6AF | -- | | | |

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. Q DEPTH | DO SAT | TEMP | FIELD LABORATORY PH EC | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER | | | | MILLIGRAMS PER LITER | | | | SAR | REY | |
|-----------------------------------|----------------|--------------------|-----------|-------|------------------------------|-------------------------|-----|-----|-----|--|----|------|-----|----------------------|------|----|-----|-----|------|---|
| | | | | | | CA | MG | NA | K | PERCENT REACTANCE VALUE | | | | B | | F | TDS | TH | ASAR | |
| | | | | | | CAC03 | SO4 | CL | NO3 | TURB | | SI02 | SUM | NCH | | | | | | |
| ***** | | | | | | | | | | | | | | | | | | | | |
| A2 1010.00 SACRAMENTO R A KESWICK | | | | | | | | | | A19CO CONTINUED | | | | | | | | | | |
| 01/11/84 | 5050 | | 11.5 | 47.0F | 7.0 | 107 | 9.0 | 4.0 | 5.0 | 1.0 | -- | 5.0 | 2.0 | -- | .0 | -- | | 39 | 0.0 | |
| 1245 | 5050 | | 99 | 8.3C | | | .45 | .33 | .22 | .03 | | .10 | .06 | | 9AF | -- | | | | |
| | | | | | | | 44 | 32 | 21 | 3 | | | | | | | | | | S |
| 02/23/84 | 5050 | | 12.2 | 46.4F | 7.2 | 107 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| 1030 | 5050 | 6000 | 104 | 8.0C | | | | | | | | | | | 5AF | -- | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| 02/23/84 | 5050 | | 11.5 | 47.0F | 7.2 | 103 | 10 | 4.0 | 7.0 | 1.2 | -- | 6.0 | 2.0 | -- | .0 | -- | | 42 | 0.0 | |
| 1405 | 5050 | | 99 | 8.3C | | | .50 | .33 | .30 | .03 | | .12 | .06 | | 6AF | -- | | | | |
| | | | | | | | 43 | 28 | 26 | 3 | | | | | | | | | | S |
| 03/26/84 | 5050 | | 11.7 | 48.2F | 7.3 | 119 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| 1115 | 5050 | 12000 | 103 | 9.0C | | | | | | | | | | | 2AF | -- | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| 03/28/84 | 5050 | | 11.4 | 47.0F | 7.0 | 112 | 10 | 5.0 | 6.0 | 1.2 | -- | 8.0 | 2.0 | -- | .0 | -- | | 46 | 0.0 | |
| 1415 | 5050 | | 98 | 8.3C | | | .50 | .41 | .26 | .03 | | .17 | .06 | | 5AF | -- | | | | |
| | | | | | | | 42 | 34 | 22 | 3 | | | | | | | | | | S |
| 04/12/84 | 5050 | | 11.7 | 50.0F | 7.3 | 112 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| 1100 | 5050 | 6000 | 105 | 10.0C | | | | | | | | | | | 3AF | -- | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| 05/02/84 | 5050 | | 10.6 | 47.0F | 7.3 | 120 | 10 | 4.0 | 5.0 | 1.2 | -- | 4.0 | 2.0 | -- | .0 | -- | | 42 | 0.0 | |
| 0915 | 5050 | 0 | 91 | 8.3C | | | .50 | .33 | .22 | .03 | | .08 | .06 | | 2AF | -- | | | | |
| | | | | | | | 46 | 31 | 20 | 3 | | | | | | | | | | S |
| 05/25/84 | 5050 | | 10.9 | 51.8F | 7.3 | 107 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| 0940 | 5050 | 9000 | 100 | 11.0C | | | | | | | | | | | 3AF | -- | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| 06/13/84 | 5050 | | 10.7 | 55.4F | 6.9 | 112 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| 0915 | 5050 | | 103 | 13.0C | | | | | | | | | | | 3AF | -- | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| 07/20/84 | 5050 | | 10.5 | 55.4F | 7.3 | 115 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| 1000 | 5050 | 14000 | 101 | 13.0C | | | | | | | | | | | 27AF | -- | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| 08/08/84 | 5050 | | 10.0 | 57.2F | 7.1 | 111 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| 0925 | 5050 | 14000 | 98 | 14.0C | | | | | | | | | | | 2AF | -- | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| 09/11/84 | 5050 | | 9.9 | 57.2F | 7.1 | 99 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| 1025 | 5050 | 8000 | 97 | 14.0C | | | | | | | | | | | 2AF | -- | | | | |
| | | | | | | | | | | | | | | | | | | | | |

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. Q DEPTH | DO SAT | TEMP | FIELD LABORATORY PH EC | MINERAL CONSTITUENTS IN | | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER | | | | MILLIGRAMS PER LITER | | | | | |
|--------------|----------------|--------------------|-------------------------|-------|------------------------------|-------------------------|-----|-----|-----------------|------------------|--|-------------|-----|------|----------------------|----|------------|-----------|-------------|-----|
| | | | | | | CA | MG | NA | K | PERCENT CACO3 | REACTANCE SO4 | VALUE CL | NO3 | TURB | B SID2 | F | TDS SUM | TH NCH | SAR ASAR | REN |
| ***** | | | | | | | | | | | | | | | | | | | | |
| A2 | | 1010.00 | SACRAMENTO R A KESWICK | | | | | | A19CO CONTINUED | | | | | | | | | | | |
| 10/23/84 | 5050 | | 9.4 | 57.2F | 7.3 | 133 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | |
| 0930 | 5050 | 5000 | 92 | 14.0C | | | | | | | | | | | 3AF | -- | | | | |
| A2 | | 1040.00 | SACRAMENTO R A MATHESON | | | | | | A19CO | | | | | | | | | | | |
| 04/29/83 | 5050 | | 10.7 | 48.9F | 7.2 | 96 | 10 | 4.0 | 5.0 | .9 | 38 | 4.0 | 1.0 | -- | .0 | -- | 42 | 0.3 | | |
| 0820 | 5050 | | 95 | 9.4C | | | .50 | .33 | .22 | .02 | .76 | .08 | .03 | -- | 12AF | -- | 48 | 4 | | |
| | | | | | | | 47 | 31 | 21 | 2 | | | | | | | | | | |
| 06/20/83 | 5050 | | 10.4 | 50.0F | 7.2 | 100 | 10 | 4.0 | 4.0 | .8 | -- | 2.0 | 1.0 | -- | .0 | -- | 42 | 0.0 | | |
| 1100 | 5050 | | 94 | 10.0C | | | .50 | .33 | .17 | .02 | | .04 | .03 | -- | .0 | -- | | | | |
| | | | | | | | 49 | 32 | 17 | 2 | | | | | | | | | | |
| 07/15/83 | 5050 | | 10.7 | 50.0F | 7.2 | 100 | 9.0 | 4.0 | 4.0 | .8 | -- | 4.0 | 1.0 | -- | .0 | -- | 39 | 0.0 | | |
| 1415 | 5050 | | 96 | 10.0C | | | .45 | .33 | .17 | .02 | | .08 | .03 | -- | .0 | -- | | | | |
| | | | | | | | 46 | 34 | 18 | 2 | | | | | | | | | | |
| 08/17/83 | 5050 | | 10.1 | 51.1F | 7.2 | 97 | 9.0 | 4.0 | 4.0 | .9 | -- | 4.0 | 1.0 | -- | .0 | -- | 39 | 0.0 | | |
| 1245 | 5050 | | 92 | 10.6C | | | .45 | .33 | .17 | .02 | | .08 | .03 | -- | 2AF | -- | | | | |
| | | | | | | | 46 | 34 | 18 | 2 | | | | | | | | | | |
| 09/21/83 | 5050 | | 10.1 | 54.5F | 7.3 | 97 | 8.0 | 4.0 | 4.0 | .7 | -- | 4.0 | 1.0 | -- | .0 | -- | 36 | 0.0 | | |
| 1340 | 5050 | | 96 | 12.5C | | | .40 | .33 | .17 | .02 | | .08 | .03 | -- | 2AF | -- | | | | |
| | | | | | | | 43 | 36 | 18 | 2 | | | | | | | | | | |
| 10/20/83 | 5050 | | 9.1 | 54.5F | 7.1 | 96 | 8.0 | 4.0 | 4.0 | .7 | -- | 3.0 | 1.0 | -- | .0 | -- | 36 | 0.0 | | |
| 0900 | 5050 | | 87 | 12.5C | | | .40 | .33 | .17 | .02 | | .06 | .03 | -- | 2AF | -- | | | | |
| | | | | | | | 43 | 36 | 18 | 2 | | | | | | | | | | |
| 11/30/83 | 5050 | | 9.7 | 54.0F | 7.1 | 118 | 9.0 | 5.0 | 6.0 | 1.2 | -- | 3.0 | 2.0 | -- | .0 | -- | 43 | 0.0 | | |
| 0930 | 5050 | | 92 | 12.2C | | | .45 | .41 | .26 | .03 | | .06 | .06 | -- | 3AF | -- | | | | |
| | | | | | | | 39 | 36 | 23 | 3 | | | | | | | | | | |
| 01/11/84 | 5050 | | 11.4 | 48.0F | 7.3 | 113 | 10 | 4.0 | 6.0 | 1.2 | -- | 3.0 | 2.0 | -- | .0 | -- | 42 | 0.0 | | |
| 1315 | 5050 | | 100 | 8.9C | | | .50 | .33 | .26 | .03 | | .06 | .06 | -- | 7AF | -- | | | | |
| | | | | | | | 45 | 29 | 23 | 3 | | | | | | | | | | |
| 02/23/84 | 5050 | | 12.4 | 49.0F | 7.3 | 105 | 10 | 4.0 | 7.0 | 1.3 | -- | 5.0 | 2.0 | -- | .0 | -- | 42 | 0.0 | | |
| 1515 | 5050 | | 110 | 9.4C | | | .50 | .33 | .30 | .03 | | .10 | .06 | -- | 5AF | -- | | | | |
| | | | | | | | 43 | 28 | 26 | 3 | | | | | | | | | | |
| 03/28/84 | 5050 | | 11.6 | 46.0F | 7.4 | 112 | 10 | 4.0 | 7.0 | 1.3 | -- | 4.0 | 2.0 | -- | .1 | -- | 42 | 0.0 | | |
| 1500 | 5050 | | 99 | 7.8C | | | .50 | .33 | .30 | .03 | | .08 | .06 | -- | 3AF | -- | | | | |
| | | | | | | | 43 | 28 | 26 | 3 | | | | | | | | | | |
| ***** | | | | | | | | | | | | | | | | | | | | |

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. Q DEPTH | DO SAT | TEMP | FIELD LABORATORY PH EC | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE | | | | MILLIGRAMS PER LITER | | | | | | |
|--------------|----------------|--------------------|-------------------------|-------|------------------------------|-------------------------|-----------------|-----|-----|---|-----|-----|-----|----------------------|------|------------|-----------|-------------|-----|--|
| | | | | | | CA | MG | NA | K | CACO3 | SO4 | CL | NO3 | TURB | SI02 | TDS SUM | TH NCH | SAR ASAR | REM | |
| ***** | | | | | | | | | | | | | | | | | | | | |
| A2 | | 1040.00 | SACRAMENTO R A MATHESON | | | | A19C0 CONTINUED | | | | | | | | | | | | | |
| 05/02/84 | 5050 | | 10.9 | 48.0F | 7.3 | 118 | 10 | 4.0 | 5.0 | 1.2 | -- | 4.0 | 2.0 | -- | .0 | -- | | 42 | 0.0 | |
| 0815 | 5050 | | 96 | 8.9C | | | .50 | .33 | .22 | .03 | | .08 | .06 | | 3AF | -- | | | | |
| | | | | | | | 46 | 31 | 20 | 3 | | | | | | | | | S | |
| A2 | | 1300.00 | SACRAMENTO R A DELTA | | | | A20B0 | | | | | | | | | | | | | |
| 04/25/83 | 5050 | 8.54 | 13.0 | 44.6F | 7.4 | 76 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| 0923 | 0000 | 4340 | 111 | 7.0C | | | | | | | | | | | 4AF | -- | | | | |
| 04/27/83 | 5050 | | 11.5 | 46.0F | 7.2 | 77 | 5.0 | 6.0 | 3.0 | .4 | 36 | 1.0 | 1.0 | -- | .0 | -- | 37 | 0.2 | | |
| 1630 | 5050 | 3450 | 100 | 7.8C | | | .25 | .49 | .13 | .01 | .72 | .02 | .03 | | 2AF | -- | 38 | 1 | 0.2 | |
| | | | | | | | 28 | 56 | 15 | 1 | | | | | | | | | S | |
| 05/17/83 | 5050 | 2.79 | 12.3 | 48.2F | 7.5 | 81 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| 0850 | 5050 | 3140 | 110 | 9.0C | | | | | | | | | | | 2AF | -- | | | | |
| 06/13/83 | 5050 | | 10.6 | 55.0F | 7.4 | 69 | 3.0 | 6.0 | 2.0 | .3 | -- | .0 | 1.0 | -- | .0 | -- | 32 | 0.0 | | |
| 1445 | 5050 | 2740 | 103 | 12.8C | | | .15 | .49 | .09 | .01 | | .00 | .03 | | -- | -- | | | S | |
| | | | | | | | 20 | 66 | 12 | 1 | | | | | | | | | | |
| 07/13/83 | 5050 | | 9.8 | 61.5F | 7.4 | 87 | 4.0 | 5.0 | 3.0 | .6 | -- | 1.0 | 3.0 | -- | .1 | -- | 30 | 0.0 | | |
| 1430 | 5050 | 1280 | 103 | 16.4C | | | .20 | .41 | .13 | .02 | | .02 | .08 | | -- | -- | | | S | |
| | | | | | | | 26 | 54 | 17 | 3 | | | | | | | | | | |
| 08/19/83 | 5050 | | 9.2 | 64.6F | 7.8 | 115 | 6.0 | 6.0 | 7.0 | .8 | -- | 3.0 | 4.0 | -- | .1 | -- | 40 | 0.0 | | |
| 1300 | 5050 | 392 | 100 | 18.1C | | | .30 | .49 | .30 | .02 | | .06 | .11 | | 1AF | -- | | | S | |
| | | | | | | | 27 | 44 | 27 | 2 | | | | | | | | | | |
| 09/12/83 | 5050 | 4.29 | 9.8 | 62.6F | 7.8 | 125 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| 0830 | 5050 | 385 | 105 | 17.0C | | | | | | | | | | | 1AF | -- | | | | |
| 09/19/83 | 5050 | | 9.9 | 62.1F | 8.3 | 128 | 7.0 | 7.0 | 8.0 | 1.0 | -- | 3.0 | 5.0 | -- | .1 | -- | 46 | 0.0 | | |
| 1545 | 5050 | 363 | 105 | 16.7C | | | .35 | .58 | .35 | .03 | | .06 | .14 | | 0AF | -- | | | S | |
| | | | | | | | 27 | 44 | 27 | 2 | | | | | | | | | | |
| 10/18/83 | 5050 | | 10.0 | 55.9F | 8.3 | 123 | 7.0 | 7.0 | 7.0 | .8 | -- | 2.0 | 4.0 | -- | .1 | -- | 46 | 0.0 | | |
| 1345 | 5050 | 332 | 99 | 13.3C | | | .35 | .58 | .30 | .02 | | .04 | .11 | | 1AF | -- | | | S | |
| | | | | | | | 28 | 46 | 24 | 2 | | | | | | | | | | |
| 11/14/83 | 5050 | 7.32 | 11.9 | 47.3F | 7.3 | 90 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| 0930 | 5050 | 2580 | 105 | 8.5C | | | | | | | | | | | 4AF | -- | | | | |

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. Q DEPTH | DO SAT | TEMP | FIELD LABORATORY PH EC | MINERAL CONSTITUENTS IN | | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER | | | | MILLIGRAMS PER LITER | | | | | RE4 |
|--------------|----------------|----------------------|-----------|-------|------------------------------|-------------------------|-----|-----|-----|-------------------------|--|-----------------|-----|------|----------------------|------------|-----------|-------------|-----|-----|
| | | | | | | CA | MG | NA | K | PERCENT REACTANCE VALUE | | | | TURB | F SI02 | TDS SUM | TH NCH | SAR ASAR | | |
| | | | | | | | | | | CACO3 | SD4 | CL | NO3 | | | | | | | |
| ***** | | | | | | | | | | | | | | | | | | | | |
| A2 1300.00 | | SACRAMENTO R A DELTA | | | | | | | | | | A2080 CONTINUED | | | | | | | | |
| 11/29/83 | 5050 | | 12.0 | 43.0F | 7.3 | 102 | 6.0 | 6.0 | 5.0 | .5 | -- | 3.0 | 3.0 | -- | .0 | -- | | 40 | 0.0 | |
| 1600 | 5050 | | 100 | 6.1C | | | .30 | .49 | .22 | .01 | | .06 | .08 | | 1AF | -- | | | | |
| | | | | | | | 29 | 48 | 22 | 1 | | | | | | | | | S | |
| 12/15/83 | 5050 | 7.66 | 11.6 | 47.3F | 7.1 | 69 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| 1030 | 5050 | 3200 | 102 | 8.5C | | | | | | | | | | | 2AF | -- | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| 01/09/84 | 5050 | | 11.8 | 45.0F | 7.1 | 81 | 5.0 | 6.0 | 3.0 | 1.1 | -- | 1.0 | 2.0 | -- | .0 | -- | | 37 | 0.0 | |
| 1415 | 5050 | | 101 | 7.2C | | | .25 | .49 | .13 | .03 | | .02 | .06 | | 2AF | -- | | | | |
| | | 0 | | | | | 28 | 54 | 14 | 3 | | | | | | | | | S | |
| 01/17/84 | 5050 | 6.88 | 12.5 | 39.2F | 7.1 | 90 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| 0955 | 5050 | 1230 | 98 | 4.0C | | | | | | | | | | | 2AF | -- | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| 02/22/84 | 5050 | 6.08 | 13.1 | 41.0F | 7.4 | 97 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| 1000 | 5050 | 1380 | 106 | 5.0C | | | | | | | | | | | 1AF | -- | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| 02/24/84 | 5050 | | 12.0 | 46.0F | 7.4 | 90 | 8.0 | 6.0 | 4.0 | .4 | -- | 2.0 | 2.0 | -- | .1 | -- | | 44 | 0.0 | |
| 1505 | 5050 | | 104 | 7.8C | | | .40 | .49 | .17 | .01 | | .04 | .06 | | 1AF | -- | | | | |
| | | | | | | | 37 | 46 | 16 | 1 | | | | | | | | | S | |
| 03/20/84 | 5050 | 6.80 | 11.5 | 48.2F | 7.3 | 88 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| 0925 | 5050 | 2050 | 103 | 9.0C | | | | | | | | | | | 1AF | -- | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| 03/28/84 | 5050 | | 11.0 | 52.0F | 7.6 | 93 | 6.0 | 6.0 | 3.0 | .4 | -- | 2.0 | 2.0 | -- | .2 | -- | | 40 | 0.0 | |
| 1630 | 5050 | | 103 | 11.1C | | | .30 | .49 | .13 | .01 | | .04 | .06 | | 1AF | -- | | | | |
| | | | | | | | 32 | 53 | 14 | 1 | | | | | | | | | S | |
| 04/11/84 | 5050 | 7.02 | 12.8 | 46.4F | 7.6 | 98 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| 1020 | 5050 | 1340 | 112 | 8.0C | | | | | | | | | | | 2AF | -- | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| 05/03/84 | 5050 | | 11.2 | 51.0F | 7.4 | 90 | 4.0 | 6.0 | 2.0 | .4 | -- | 2.0 | 2.0 | -- | .0 | -- | | 35 | 0.0 | |
| 1315 | 5050 | | 104 | 10.5C | | | .20 | .49 | .09 | .01 | | .04 | .06 | | 1AF | -- | | | | |
| | | 0 | | | | | 25 | 62 | 11 | 1 | | | | | | | | | S | |
| 05/18/84 | 5050 | 5.63 | 13.3 | 55.4F | | 96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| 1225 | 5050 | 1060 | 130 | 13.0C | | | | | | | | | | | 1AF | -- | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| 06/12/84 | 5050 | 4.79 | 10.0 | 59.0F | 8.3 | 111 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | |
| 0930 | 5050 | 577 | 102 | 15.0C | | | | | | | | | | | 2AF | -- | | | | |

MINERAL ANALYSES OF SURFACE WATER

[illegible]

MINOR ELEMENT ANALYSES OF SURFACE WATER

| DATE TIME | SAMP LAB | DEPTH | DISCH EC | TEMP PH | CONSTITUENTS | | | | IN MILLIGRAMS | | PER LITER | | LEAD | | MERCURY | | SILVER | | REM |
|--------------|-------------|-------|---------------------------------|------------|--------------|--------|---------|-------------|---------------|--------|-----------|-----------|----------|-------|---------|------|--------|--|-----|
| * | * | * | * | * | ARSENIC | BARIUM | CADMIUM | CHROM (ALL) | CHROM (HEX) | COPPER | IRON | MANGANESE | SELENIUM | ZINC | | | | | |
| AO 2112.00 | | | SACRAMENTO R A ELKHORN FERRY | | | | | | | | AO280 | | | | | | | | |
| 07/14/83 | 5050 | | | 20.0C | | -- | | 0.00 | T | 0.03 | T | 0.00 | T | 0.000 | T | -- | | | |
| 1115 | 5050 | | 135 | 7.3 | 0.00 | T | 0.00 | T | -- | 2.3 | T | 0.06 | T | 0.00 | T | 0.02 | T | | |
| 09/20/83 | 5050 | | | 18.9C | | -- | | 0.00 | T | 0.02 | T | 0.01 | T | 0.000 | T | -- | | | |
| 1200 | 5050 | | 175 | 7.4 | 0.00 | T | 0.00 | T | -- | 1.6 | T | 0.06 | T | 0.01 | T | 0.02 | T | | |
| 02/22/84 | 5050 | | | 50.0F | | -- | | -- | | 0.02 | T | -- | | 0.000 | T | -- | | | |
| 1140 | 5050 | | 140 | 7.2 | -- | | 0.00 | T | -- | 0.88 | T | -- | | -- | | 0.01 | T | | |
| 05/01/84 | 5050 | | | 60.0F | | -- | | -- | | 0.06 | T | -- | | 0.000 | T | -- | | | |
| 1040 | 5050 | 0 | 164 | 7.5 | -- | | 0.00 | T | -- | 1.6 | T | -- | | -- | | 0.02 | T | | |
| AO 2230.02 | | | SACRAMENTO R AB COLUSA BASIN DR | | | | | | | | AO7AD | | | | | | | | |
| 07/14/83 | 5050 | | | 20.6C | | -- | | 0.00 | T | 0.03 | T | 0.00 | T | 0.000 | T | -- | | | |
| 1200 | 5050 | | 128 | 7.4 | 0.00 | T | 0.00 | T | -- | 1.8 | T | 0.04 | T | 0.00 | T | 0.02 | T | | |
| 09/20/83 | 5050 | | | 20.6C | | -- | | 0.00 | T | 0.02 | T | 0.00 | T | 0.000 | T | -- | | | |
| 1250 | 5050 | | 165 | 7.4 | 0.00 | T | 0.00 | T | -- | 0.59 | T | 0.02 | T | 0.00 | T | 0.02 | T | | |
| 11/29/83 | 5050 | | | 10.8C | | -- | | 0.01 | T | 0.03 | T | 0.00 | T | 0.000 | T | -- | | | |
| 1200 | 5050 | | 159 | 7.3 | 0.00 | T | 0.00 | T | -- | 4.7 | T | 0.10 | T | 0.02 | T | 0.03 | T | | |
| 02/22/84 | 5050 | | | 51.0F | | -- | | -- | | 0.02 | T | -- | | 0.000 | T | -- | | | |
| 1220 | 5050 | | 160 | 7.3 | -- | | 0.00 | T | -- | 0.87 | T | -- | | -- | | 0.01 | T | | |
| 05/01/84 | 5050 | | | 58.0F | | -- | | -- | | 0.03 | T | -- | | 0.000 | T | -- | | | |
| 1120 | 5050 | 0 | 160 | 7.5 | -- | | 0.00 | T | -- | 1.1 | T | -- | | -- | | 0.01 | T | | |
| AO 2630.00 | | | SACRAMENTO R A HAMILTON CITY | | | | | | | | A1380 | | | | | | | | |
| 04/28/83 | 5050 | | | 12.8C | | -- | | 0.01 | T | 0.04 | T | 0.00 | T | 0.000 | T | -- | | | |
| 1330 | 5050 | | 150 | 7.3 | 0.00 | T | 0.00 | T | -- | 7.6 | T | 0.16 | T | 0.03 | T | 0.05 | T | | |
| 07/14/83 | 5050 | | | 16.9C | | -- | | 0.00 | T | 0.03 | T | 0.00 | T | 0.000 | T | -- | | | |
| 1500 | 5050 | | 110 | 7.4 | 0.00 | T | 0.00 | T | -- | 0.71 | T | 0.01 | T | 0.00 | T | 0.03 | T | | |
| 09/20/83 | 5050 | | | 17.2C | | -- | | 0.00 | T | 0.02 | T | 0.00 | T | 0.000 | T | -- | | | |
| 1600 | 5050 | | 120 | 7.5 | 0.00 | T | 0.00 | T | -- | 0.36 | T | 0.01 | T | 0.00 | T | 0.02 | T | | |
| 11/29/83 | 5050 | | | 11.1C | | -- | | 0.00 | T | 0.01 | T | 0.00 | T | 0.000 | T | -- | | | |
| 1505 | 5050 | | 120 | 7.3 | 0.00 | | 0.00 | T | -- | 1.0 | T | 0.03 | T | 0.01 | T | 0.01 | T | | |
| 02/22/84 | 5050 | | | 49.0F | | -- | | -- | | 0.02 | T | -- | | 0.000 | T | -- | | | |
| 1505 | 5050 | | 127 | 7.2 | -- | | 0.00 | T | -- | 0.56 | T | -- | | -- | | 0.02 | T | | |
| 05/01/84 | 5050 | | | 57.0F | | -- | | -- | | 0.07 | T | -- | | 0.000 | T | -- | | | |
| 1410 | 5050 | 0 | 130 | 7.4 | -- | | 0.00 | T | -- | 0.69 | T | -- | | -- | | 0.02 | T | | |

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. Q DEPTH | DO SAT | TEMP | FIELD LABORATORY PH EC | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER | | | | MILLIGRAMS PER LITER | | | | | REMARKS | | |
|--------------|----------------|--------------------|-------------------------|-------|------------------------------|-------------------------|-----------------|-----|-----|--|------|-----|-----|----------------------|-----------|------------|-----------|-------------|---------|-----|---|
| | | | | | | CA | MG | NA | K | PERCENT REACTANCE VALUE | | | | TURB | B SIO2 | TDS SUM | TH NCH | SAR ASAR | | | |
| | | | | | | | | | | CACO3 | SO4 | CL | NO3 | | | | | | | | |
| ***** | | | | | | | | | | | | | | | | | | | | | |
| A2 | | 2150.00 | MCCLLOUD R AB SHASTA LK | | | | A22A1 CONTINUED | | | | | | | | | | | | | | |
| 06/13/83 | 5050 | | 10.3 | 56.5F | 7.6 | 95 | 11 | 2.0 | 3.0 | .7 | -- | .0 | 1.0 | -- | .0 | -- | | | 36 | 0.0 | |
| 1250 | 5050 | 988 | 102 | 13.6C | | | .55 | .16 | .13 | .02 | | .00 | .03 | | -- | -- | | | | | S |
| | | | | | | | 64 | 19 | 15 | 2 | | | | | | | | | | | |
| 07/13/83 | 5050 | | 9.9 | 63.0F | 8.0 | 112 | 13 | 3.0 | 4.0 | .8 | -- | 3.0 | 1.0 | -- | .0 | -- | | | 45 | 0.0 | |
| 1245 | 5050 | 451 | 106 | 17.2C | | | .65 | .25 | .17 | .02 | | .06 | .03 | | -- | -- | | | | | S |
| | | | | | | | 60 | 23 | 16 | 2 | | | | | | | | | | | |
| 08/19/83 | 5050 | | 9.7 | 59.5F | 7.6 | 105 | 12 | 3.0 | 4.0 | .9 | -- | 2.0 | 1.0 | -- | .0 | -- | | | 42 | 0.0 | |
| 1115 | 5050 | 369 | 100 | 15.3C | | | .60 | .25 | .17 | .02 | | .04 | .03 | | 1AF | -- | | | | | S |
| | | | | | | | 58 | 24 | 16 | 2 | | | | | | | | | | | |
| 09/12/83 | 5050 | | 9.4 | 57.2F | 7.4 | 108 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | | |
| 0740 | 5050 | 336 | 94 | 14.0C | | | | | | | | | | | 1AF | -- | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 09/19/83 | 5050 | | 10.5 | 57.9F | 8.1 | 100 | 12 | 3.0 | 5.0 | 1.1 | -- | 3.0 | 1.0 | -- | .0 | -- | | | 42 | 0.0 | |
| 1330 | 5050 | 336 | 106 | 14.4C | | | .60 | .25 | .22 | .03 | | .06 | .03 | | 0AF | -- | | | | | S |
| | | | | | | | 55 | 23 | 20 | 3 | | | | | | | | | | | |
| 10/18/83 | 5050 | | 10.1 | 48.6F | 8.1 | 105 | 11 | 3.0 | 5.0 | 1.0 | -- | 2.0 | 1.0 | -- | .0 | -- | | | 40 | 0.0 | |
| 1200 | 5050 | 316 | 91 | 9.2C | | | .55 | .25 | .22 | .03 | | .04 | .03 | | 2AF | -- | | | | | S |
| | | | | | | | 52 | 24 | 21 | 3 | | | | | | | | | | | |
| 11/14/83 | 5050 | | 11.8 | 47.3F | 7.5 | 95 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | | |
| 0840 | 5050 | 1020 | 104 | 8.5C | | | | | | | | | | | 2AF | -- | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 11/29/83 | 5050 | | 12.1 | 43.0F | 7.3 | 110 | 13 | 3.0 | 4.0 | .6 | -- | 4.0 | 1.0 | -- | .0 | -- | | | 45 | 0.0 | |
| 1400 | 5050 | | 101 | 6.1C | | | .65 | .25 | .17 | .02 | | .06 | .03 | | 1AF | -- | | | | | S |
| | | | | | | | 60 | 23 | 16 | 2 | | | | | | | | | | | |
| 12/15/83 | 5050 | | 11.5 | 48.2F | 7.3 | 89 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | | |
| 0915 | 5050 | 2500 | 103 | 9.0C | | | | | | | | | | | 3AF | -- | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 01/09/84 | 5050 | | 12.2 | 44.0F | 7.3 | 99 | 14 | 2.0 | 3.0 | .4 | -- | 4.0 | 1.0 | -- | .0 | -- | | | 43 | 0.0 | |
| 1330 | 5050 | 1050 | 103 | 6.7C | | | .70 | .16 | .13 | .01 | | .08 | .03 | | 1AF | -- | | | | | S |
| | | 0 | | | | | 70 | 16 | 13 | 1 | | | | | | | | | | | |
| 01/17/84 | 5050 | | 13.3 | 40.1F | 7.3 | 112 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | | | |
| 0900 | 5050 | 652 | 106 | 4.5C | | | | | | | | | | | 2AF | -- | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 02/22/84 | 5050 | | 12.1 | 42.8F | 7.8 | 115 | 17 | 3.0 | 4.0 | -- | 52 | -- | 1.0 | -- | .0 | -- | | | 55 | 0.2 | |
| 0900 | 5050 | 764 | 100 | 6.0C | 7.7 | 119 | .85 | .25 | .17 | -- | 1.04 | -- | .03 | | 1A | -- | | | 3 | 0.2 | S |
| | | | | | | | 67 | 20 | 13 | | | | | | | | | | | | |

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. O DEPTH | DO SAT | TEMP | FIELD LABORATORY PH EC | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER | | | | MILLIGRAMS PER LITER | | | | REN |
|--------------|----------------|--------------------|-------------------------|-------|------------------------------|-------------------------|-----------------|-----|-----|--|------------------|-------------|-----|----------------------|-----------|-----------------|-----------|-----|
| | | | | | | CA | MG | NA | K | PERCENT CACO3 | REACTANCE SO4 | VALUE CL | NO3 | TURB | B SIO2 | F TDS SUM | TH NCH | |
| ***** | | | | | | | | | | | | | | | | | | |
| A2 | | 2150.00 | MCCLLOUD R AB SHASTA LK | | | | A22A1 CONTINUED | | | | | | | | | | | |
| 02/24/84 | 5050 | | 12.2 | 45.0F | 7.6 | | 14 | 2.0 | 3.0 | .4 | -- | 5.0 | 1.0 | -- | .0 | -- | | |
| 1320 | 5050 | 742 | 104 | 7.2C | | | .70 | .16 | .13 | .01 | | .10 | .03 | -- | 1AF | -- | 43 | 0.0 |
| | | | | | | | 70 | 16 | 13 | 1 | | | | | | | | S |
| 03/20/84 | 5050 | | 11.5 | 48.2F | 7.3 | 103 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | |
| 0835 | 5050 | 1650 | 103 | 9.0C | | | | | | | | | | | 1AF | -- | | |
| | | | | | | | | | | | | | | | | | | |
| 03/28/84 | 5050 | | 10.8 | 51.0F | 7.6 | 107 | 13 | 3.0 | 4.0 | .6 | -- | 4.0 | 1.0 | -- | .0 | -- | 45 | 0.0 |
| 1430 | 5050 | 926 | 100 | 10.5C | | | .65 | .25 | .17 | .02 | | .08 | .03 | -- | 1AF | -- | | |
| | | | | | | | 60 | 23 | 16 | 2 | | | | | | | | S |
| 04/11/84 | 5050 | | 11.0 | 55.4F | 7.6 | 102 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | |
| 0915 | 5050 | 744 | 108 | 13.0C | | | | | | | | | | | 2AF | -- | | |
| | | | | | | | | | | | | | | | | | | |
| 05/03/84 | 5050 | | 11.0 | 52.0F | 7.8 | 118 | 14 | 3.0 | 2.0 | .6 | -- | 4.0 | 1.0 | -- | .0 | -- | 48 | 0.0 |
| 1120 | 5050 | 485 | 103 | 11.1C | | | .70 | .25 | .09 | .02 | | .08 | .03 | -- | 1AF | -- | | |
| | | 0 | | | | | 66 | 24 | 8 | 2 | | | | | | | | S |
| 05/18/84 | 5050 | | 12.7 | 55.4F | | 164 | 28 | 3.0 | 3.0 | -- | 82 | -- | 1.0 | -- | .0 | -- | 82 | 0.1 |
| 1330 | 5050 | 365 | 124 | 13.0C | 8.0 | 170 | 1.40 | .25 | .13 | | 1.64 | -- | .03 | -- | 1A | -- | 1 | 0.2 |
| | | | | | | | 79 | 14 | 7 | | | | | | | | | S |
| 06/12/84 | 5050 | | 10.4 | 55.4F | 8.4 | 181 | 30 | 3.0 | 4.0 | -- | 86 | -- | 2.0 | -- | .0 | -- | 88 | 0.2 |
| 0815 | 5050 | 320 | 102 | 13.0C | 8.4 | 184 | 1.50 | .25 | .17 | | 1.72 | -- | .06 | -- | 0A | -- | 2 | 0.3 |
| | | | | | | | 78 | 13 | 9 | | | | | | | | | S |
| 06/18/84 | 5050 | | 9.9 | 60.0F | 7.8 | 110 | 13 | 3.0 | 4.0 | .9 | -- | 2.0 | 1.0 | -- | .0 | -- | 45 | 0.0 |
| 1200 | 5050 | | 102 | 15.5C | | | .65 | .25 | .17 | .02 | | .04 | .03 | -- | 1AF | -- | | |
| | | | | | | | 60 | 23 | 16 | 2 | | | | | | | | S |
| 07/10/84 | 5050 | | 9.5 | 59.0F | 7.8 | 190 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | |
| 0755 | 5050 | 285 | 97 | 15.0C | | | | | | | | | | | 1AF | -- | | |
| | | | | | | | | | | | | | | | | | | |
| 07/20/84 | 5050 | | 9.6 | 64.0F | 8.1 | 107 | 12 | 3.0 | 5.0 | 1.1 | -- | 2.0 | 1.0 | -- | .0 | -- | 42 | 0.0 |
| 1230 | 5050 | | 104 | 17.8C | | | .60 | .25 | .22 | .03 | | .04 | .03 | -- | 1AF | -- | | |
| | | | | | | | 55 | 23 | 20 | 3 | | | | | | | | S |
| 08/07/84 | 5050 | | 10.0 | 60.8F | 7.6 | 115 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | |
| 0840 | 5050 | 256 | 104 | 16.0C | | | | | | | | | | | 1AF | -- | | |
| | | | | | | | | | | | | | | | | | | |
| 08/23/84 | 5050 | | | 60.0F | 7.9 | 108 | 11 | 3.0 | 5.0 | 1.1 | -- | 2.0 | 1.0 | -- | .0 | -- | 40 | 0.0 |
| 1150 | 5050 | | | 15.5C | | 108 | .55 | .25 | .22 | .03 | | .04 | .03 | -- | 1AF | -- | | |
| | | 0 | | | | | 52 | 24 | 21 | 3 | | | | | | | | S |

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. Q DEPTH | DO SAT | TEMP | FIELD LABORATORY PH EC | MINERAL CONSTITUENTS IN | | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER | | | | MILLIGRAMS PER LITER | | | | | REMARKS | |
|--------------|----------------|-------------------------|-----------|-------|------------------------------|-------------------------|-----------------|-----------|-----------|-------------------------|--|----|-----|-----|----------------------|-----|----|-----|------|---------|------|
| | | | | | | CA | MG | NA | K | PERCENT REACTANCE VALUE | | B | F | TDS | TH | SAR | | | | | |
| | | | | | | | | | | CACO3 | SO4 | | | | | | CL | NO3 | TURB | | SI02 |
| A2 2150.00 | | MCCLLOUD R AB SHASTA LK | | | | | A22A1 CONTINUED | | | | | | | | | | | | | | |
| 09/04/84 | 5050 | | 10.2 | 57.2F | 7.8 | 200 | 34 | 3.0 | 3.0 | -- | 97 | -- | 1.0 | -- | .0 | -- | | 98 | 0.1 | | |
| 0815 | 5050 | 248 | 102 | 14.0C | 7.7 | 202 | 1.70 82 | .25 12 | .13 6 | | 1.94 | | .03 | | 1A | -- | | 1 | 0.2 | | |
| 09/19/84 | 5050 | | 10.4 | 58.0F | 7.8 | 110 | 11 | 4.0 | 5.0 | 1.3 | -- | | 2.0 | 1.0 | -- | .0 | -- | | 44 | 0.0 | |
| 1200 | 5050 | | 105 | 14.4C | | | .55 49 | .33 29 | .22 19 | .03 3 | | | .04 | .03 | | 1AF | -- | | | | |
| 10/23/84 | 5050 | | 10.6 | 51.8F | 8.0 | 205 | 33 | 3.0 | 4.0 | -- | 95 | -- | 1.0 | -- | .0 | -- | | 95 | 0.2 | | |
| 0830 | 5050 | 304 | 99 | 11.0C | 8.0 | 204 | 1.65 80 | .25 12 | .17 8 | | 1.90 | | .03 | | 2A | -- | | 0 | 0.3 | | |
| 10/24/84 | 5050 | | 11.7 | 47.0F | 7.5 | 110 | 11 | 4.0 | 5.0 | 1.3 | -- | | 2.0 | 1.0 | -- | .0 | -- | | 44 | 0.0 | |
| 1230 | 5050 | | 103 | 8.3C | | | .55 49 | .33 29 | .22 19 | .03 3 | | | .04 | .03 | | 1AF | -- | | | | |
| A2 4100.00 | | SQUAW C AB SHASTA LK | | | | | A22B0 | | | | | | | | | | | | | | |
| 04/27/83 | 5050 | | 11.4 | 46.9F | 7.4 | 145 | 25 | 2.0 | 3.0 | .3 | 66 | | 6.0 | .0 | -- | .0 | -- | | 70 | 0.2 | |
| 1230 | 5050 | | 100 | 8.3C | | | 1.25 81 | .16 10 | .13 8 | .01 1 | 1.32 | | .12 | .00 | | 1AF | -- | 76 | 5 | 0.2 | |
| 06/13/83 | 5050 | | 10.0 | 57.9F | 7.7 | 195 | 33 | 3.0 | 3.0 | .3 | -- | | 8.0 | .0 | -- | .0 | -- | | 95 | 0.0 | |
| 1030 | 5050 | | 101 | 14.4C | | | 1.65 81 | .25 12 | .13 6 | .01 0 | | | .17 | .00 | | | -- | | | | |
| 07/13/83 | 5050 | | 9.2 | 64.9F | 7.9 | 212 | 34 | 3.0 | 4.0 | .4 | -- | | 13 | 1.0 | -- | .0 | -- | | 98 | 0.0 | |
| 1020 | 5050 | | 101 | 18.3C | | | 1.70 80 | .25 12 | .17 8 | .01 0 | | | .27 | .03 | | | -- | | | | |
| 09/19/83 | 5050 | | 8.4 | 66.9F | 7.9 | 220 | 36 | 3.0 | 4.0 | .4 | -- | | 15 | 1.0 | -- | .0 | -- | | 103 | 0.0 | |
| 0915 | 5050 | | 94 | 19.4C | | | 1.80 81 | .25 11 | .17 8 | .01 0 | | | .31 | .03 | | 0AF | -- | | | | |
| 07/19/83 | 5050 | | 9.4 | 61.0F | 7.9 | 225 | 37 | 4.0 | 4.0 | .4 | -- | | 15 | 1.0 | -- | .0 | -- | | 109 | 0.0 | |
| 1100 | 5050 | | 99 | 16.1C | | | 1.85 78 | .33 14 | .17 7 | .01 0 | | | .31 | .03 | | 0AF | -- | | | | |
| 10/16/83 | 5050 | | 10.2 | 49.5F | 7.7 | 230 | 37 | 4.0 | 4.0 | .3 | -- | | 15 | 1.0 | -- | .0 | -- | | 109 | 0.0 | |
| 1000 | 5050 | | 93 | 9.7C | | | 1.85 78 | .33 14 | .17 7 | .01 0 | | | .31 | .03 | | 1AF | -- | | | | |
| 11/29/83 | 5050 | | 12.1 | 44.1F | 7.5 | 185 | 30 | 3.0 | 3.0 | .3 | -- | | 13 | 1.0 | -- | .0 | -- | | 88 | 0.0 | |
| 1200 | 5050 | | 103 | 6.7C | | | 1.50 79 | .25 13 | .13 7 | .01 1 | | | .27 | .03 | | 0AF | -- | | | | |

MINERAL ANALYSES OF SURFACE WATER

[illegible]

MINOR ELEMENT ANALYSES OF SURFACE WATER

| DATE TIME | SAMP LAB | DEPTH | DISCH EC | TEMP PH | ARSENIC | | CONSTITUENTS BARIUM CADMIUM | | IN MILLIGRAMS CHROM (ALL) CHROM (HEX) | | PER LITER COPPER IRON | | LEAD MANGANESE | | MERCURY SELENIUM | | SILVER ZINC | | REM | |
|--------------|-------------|-------|-------------|----------------------------|---------|-------|-----------------------------------|-------|---|-------|-----------------------------|-------|-------------------|-------|---------------------|-------|----------------|-------|-------|--|
| * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | |
| AO 2815.00 | | | | SACRAMENTO R A BALLS FERRY | | | | | | | | | | A17AO | | | | | | |
| 04/29/83 | 5050 | | | 11.1C | | | -- | | 0.00 | T | 0.03 | T | 0.00 | T | 0.000 | T | -- | | | |
| 1130 | 5050 | | 90 | 7.0 | 0.00 | T | 0.00 | T | -- | | 1.5 | T | 0.02 | T | 0.01 | T | 0.05 | T | | |
| 07/15/83 | 5050 | | | 12.2C | | | -- | | 0.00 | T | 0.03 | T | 0.00 | T | 0.000 | T | -- | | | |
| 1030 | 5050 | | 98 | 7.3 | 0.00 | T | 0.00 | T | -- | | 0.40 | T | 0.01 | T | 0.00 | T | 0.04 | T | | |
| 09/21/83 | 5050 | | | 13.3C | | | -- | | 0.00 | T | 0.02 | T | 0.00 | T | 0.000 | T | -- | | | |
| 1000 | 5050 | | 99 | 7.2 | 0.01 | T | 0.00 | T | -- | | 0.32 | T | 0.01 | T | 0.00 | T | 0.03 | T | | |
| 12/01/83 | 5050 | | | 12.2C | | | -- | | 0.00 | T | 0.02 | T | 0.00 | T | 0.000 | T | -- | | | |
| 1330 | 5050 | | 118 | 7.2 | 0.00 | T | 0.00 | T | -- | | 0.32 | T | 0.02 | T | 0.00 | T | 0.02 | T | | |
| 03/05/84 | 5050 | | | 51.0F | | | -- | | -- | | 0.03 | T | -- | | 0.000 | T | -- | | | |
| 1325 | 5050 | | 130 | 7.3 | -- | | 0.00 | T | -- | | 0.29 | T | -- | | -- | | 0.04 | T | | |
| 05/02/84 | 5050 | | | 51.0F | | | -- | | -- | | 0.06 | T | -- | | 0.000 | T | -- | | | |
| 1115 | 5050 | 0 | 138 | 7.3 | -- | | 0.00 | T | -- | | 0.40 | T | -- | | -- | | 0.02 | T | | |
| A1 1020.00 | | | | PIT R NR MONTGOMERY C | | | | | | | | | | A2080 | | | | | | |
| 04/27/83 | 5050 | | | 9.4C | | | -- | | 0.00 | T | 0.02 | T | 0.00 | T | 0.000 | T | -- | | | |
| 0845 | 5050 | | 123 | 7.4 | 0.00 | T | 0.00 | T | -- | | 0.47 | T | 0.02 | T | 0.01 | T | 0.01 | T | | |
| 07/13/83 | 5050 | | | 17.2C | | | -- | | 0.00 | T | 0.03 | T | 0.00 | T | 0.000 | T | -- | | | |
| 0830 | 5050 | | 130 | 8.0 | 0.00 | T | 0.00 | T | -- | | 0.17 | T | 0.02 | T | 0.00 | T | 0.01 | T | | |
| 09/19/83 | 5050 | | | 15.3C | | | -- | | 0.00 | T | 0.02 | T | 0.01 | T | 0.000 | T | -- | | | |
| 0845 | 5050 | | 152 | 7.8 | 0.00 | T | 0.00 | T | -- | | 0.11 | T | 0.02 | T | 0.00 | T | 0.01 | T | | |
| 11/29/83 | 5050 | | | 7.2C | | | -- | | 0.00 | T | 0.02 | T | 0.00 | T | 0.000 | T | -- | | | |
| 1000 | 5050 | | 138 | 7.3 | 0.00 | T | 0.00 | T | -- | | 0.42 | T | 0.02 | T | 0.01 | T | 0.00 | T | | |
| 02/24/84 | 5050 | | | 45.0F | | | -- | | -- | | 0.02 | T | -- | | 0.000 | T | -- | | | |
| 0955 | 5050 | | 127 | 7.3 | -- | | 0.00 | T | -- | | 0.82 | T | -- | | -- | | 0.00 | T | | |
| 05/03/84 | 5050 | | | 51.0F | | | -- | | -- | | 0.06 | T | -- | | 0.000 | T | -- | | | |
| 0815 | 5050 | 0 | 130 | 7.6 | -- | | 0.00 | T | -- | | 0.51 | T | -- | | -- | | 0.01 | T | | |
| 07/20/84 | 5050 | | | 66.0F | | | -- | | -- | | 0.05 | T | -- | | 0.000 | T | -- | | | |
| 0930 | 5050 | | 137 | 8.2 | -- | | 0.00 | T | -- | | 0.14 | T | -- | | -- | | 0.01 | T | | |
| 09/19/84 | 5050 | | | 60.0F | | | -- | | -- | | 0.00 | T | -- | | 0.000 | T | -- | | | |
| 0830 | 5050 | | 145 | 7.8 | -- | | 0.00 | T | -- | | 0.16 | T | -- | | -- | | 0.00 | T | | |

| DATE TIME | SAMP LAB | DEPTH | DISCH EC | TEMP PH | ARSENIC | CONSTITUENTS BARIUM CADMIUM | IN MILLIGRAMS CHROM (ALL) CHROM (HEX) | PER LITER COPPER IRON | LEAD MANGANESE | MERCURY SELENIUM | SILVER ZINC | REM | | |
|------------------|-------------|-------|-------------|------------|----------------|-----------------------------------|---|-----------------------------|-------------------|---------------------|----------------|-----|-------|--|
| A2 L 043.2 225.0 | | | | | SHASTA LK A DM | | | | | | | | A24AD | |
| 05/18/83 | 5050 | | | 15.0C | | -- | 0.00 | T | 0.02 | T | 0.00 | T | | |
| 0700 | 5050 | 0 | | 7.4 | 0.00 | T | 0.00 | T | 0.21 | T | 0.01 | T | | |
| 05/18/83 | 5050 | | | | | -- | 0.00 | T | 0.02 | T | 0.00 | T | | |
| 0710 | 5050 | 427 | | 7.2 | 0.00 | T | 0.00 | T | 0.97 | T | 0.02 | T | | |
| 07/29/83 | 5050 | | | 23.5C | | -- | 0.00 | T | 0.02 | T | 0.00 | T | | |
| 0830 | 5050 | 0 | 85 | 7.6 | 0.00 | T | 0.00 | T | 0.08 | T | 0.01 | T | | |
| 07/29/83 | 5050 | | | | | -- | 0.00 | T | 0.02 | T | 0.00 | T | | |
| 0840 | 5050 | 486 | 100 | 7.3 | 0.00 | T | 0.00 | T | 0.74 | T | 0.03 | T | | |
| 09/27/83 | 5050 | | | 20.5C | | -- | 0.00 | T | 0.02 | T | 0.00 | T | | |
| 0900 | 5050 | 0 | | 7.6 | 0.00 | T | 0.00 | T | 0.33 | T | 0.01 | T | | |
| 09/27/83 | 5050 | | | | | -- | 0.00 | T | 0.02 | T | 0.00 | T | | |
| 0910 | 5050 | 459 | | 7.0 | 0.00 | T | 0.00 | T | 0.99 | T | 0.03 | T | | |
| 12/21/83 | 5050 | | | 11.9C | | -- | 0.00 | T | 0.02 | T | 0.00 | T | | |
| 0945 | 5050 | 0 | | 7.3 | 0.00 | T | 0.00 | T | 0.12 | T | 0.05 | T | | |
| 12/21/83 | 5050 | | | 8.6C | | -- | 0.00 | T | 0.01 | T | 0.00 | T | | |
| 0955 | 5050 | 427 | | 6.9 | 0.00 | T | 0.00 | T | 0.96 | T | 0.03 | T | | |
| 03/01/84 | 5050 | | | 8.0C | | -- | 0.00 | T | 0.01 | T | 0.00 | T | | |
| 0930 | 5050 | 466 | 118 | 7.2 | 0.00 | T | 0.00 | T | 0.37 | T | 0.01 | T | | |
| 03/01/84 | 5050 | | | 9.2C | | -- | 0.00 | T | 0.02 | T | 0.00 | T | | |
| 0930 | 5050 | 0 | 96 | 7.4 | 0.00 | T | 0.00 | T | 0.09 | T | 0.00 | T | | |
| 05/11/84 | 5050 | | | 8.5C | | -- | 0.00 | T | 0.03 | T | 0.00 | T | | |
| 0800 | 5050 | 489 | 119 | 7.3 | 0.00 | T | 0.00 | T | 0.48 | T | 0.01 | T | | |
| 05/11/84 | 5050 | | | 15.3C | | -- | 0.00 | T | 0.04 | T | 0.00 | T | | |
| 0800 | 5050 | 0 | 94 | 7.7 | 0.00 | T | 0.00 | T | 0.08 | T | 0.01 | T | | |
| 07/19/84 | 5050 | | | 49.0F | | -- | 0.00 | T | 0.04 | T | 0.00 | T | | |
| 0900 | 5050 | 459 | 128 | 7.2 | 0.00 | T | 0.00 | T | 0.53 | T | 0.02 | T | | |
| 07/19/84 | 5050 | | | 27.2C | | -- | 0.00 | T | 0.05 | T | 0.00 | T | | |
| 0900 | 5050 | 0 | 105 | 7.7 | 0.00 | T | 0.00 | T | 0.10 | T | 0.01 | T | | |
| 09/14/84 | 5050 | | | 6.9C | | -- | 0.00 | T | 0.00 | T | 0.00 | T | | |
| 0800 | 5050 | 426 | 131 | 7.0 | 0.00 | T | 0.00 | T | 0.81 | T | 0.02 | T | | |
| 09/14/84 | 5050 | | | 22.5C | | -- | 0.00 | T | 0.00 | T | 0.00 | T | | |
| 0800 | 5050 | 0 | 114 | 7.6 | 0.00 | T | 0.00 | T | 0.52 | T | 0.00 | T | | |

MINOR ELEMENT ANALYSES OF SURFACE WATER

| DATE TIME | | SAMP LAB | DEPTH | DISCH EC | TEMP PH | CONSTITUENTS IN MILLIGRAMS PER LITER | | | | | | | | | | LEAD | | MERCURY | | SILVER | | REM |
|------------------|------|-------------|-------|-------------|------------|--------------------------------------|--------|---------|-------------|-------------|--------|------|-----------|----------|-------|-------|------|---------|--|--------|--|-----|
| * | * | * | * | * | * | ARSENIC | BARIUM | CADMIUM | CHROM (ALL) | CHROM (HEX) | COPPER | IRON | MANGANESE | SELENIUM | ZINC | * | * | | | | | |
| A2 L 044.3 227.3 | | | | | | SHASTA LK A LITTLE SQUAW C INLET | | | | | | | | | | A20A0 | | | | | | |
| 05/12/83 | 5050 | | | | 14.0C | | -- | | 0.00 | T | 0.03 | T | 0.00 | T | 0.000 | T | -- | | | | | |
| 1415 | 5050 | 0 | | | 7.4 | 0.00 | T | 0.00 | T | -- | 0.20 | T | 0.01 | T | 0.00 | T | 0.05 | T | | | | |
| 05/12/83 | 5050 | | | | 7.6C | | -- | | 0.00 | T | 0.03 | T | 0.00 | T | 0.000 | T | -- | | | | | |
| 1425 | 5050 | 138 | | | 7.1 | 0.00 | T | 0.00 | T | -- | 0.51 | T | 0.01 | T | 0.02 | T | 0.08 | T | | | | |
| 07/28/83 | 5050 | | | | 25.0C | | -- | | 0.00 | T | 0.02 | T | 0.00 | T | 0.000 | T | -- | | | | | |
| 1330 | 5050 | 0 | 89 | | 7.7 | 0.00 | T | 0.00 | T | -- | 0.07 | T | 0.00 | T | 0.00 | T | 0.02 | T | | | | |
| 07/28/83 | 5050 | | | | 10.2C | | -- | | 0.00 | T | 0.04 | T | 0.00 | T | 0.000 | T | -- | | | | | |
| 1340 | 5050 | 157 | 82 | | 7.3 | 0.00 | T | 0.00 | T | -- | 0.69 | T | 0.02 | T | 0.02 | T | 0.08 | T | | | | |
| 10/04/83 | 5050 | | | | 20.2C | | -- | | 0.00 | T | 0.03 | T | 0.01 | T | 0.000 | T | -- | | | | | |
| 1200 | 5050 | 0 | | | 7.6 | 0.00 | T | 0.00 | T | -- | 1.1 | T | 0.01 | T | 0.00 | T | 0.04 | T | | | | |
| 10/04/83 | 5050 | | | | 15.3C | | -- | | 0.00 | T | 0.03 | T | 0.01 | T | 0.000 | T | -- | | | | | |
| 1210 | 5050 | 108 | | | 7.1 | 0.00 | T | 0.00 | T | -- | 0.62 | T | 0.01 | T | 0.00 | T | 0.02 | T | | | | |
| 12/05/83 | 5050 | | | | 12.2C | | -- | | 0.00 | T | 0.03 | T | 0.00 | T | 0.000 | T | -- | | | | | |
| 1400 | 5050 | 0 | 105 | | 7.3 | 0.00 | T | 0.00 | T | -- | 0.13 | T | 0.01 | T | 0.00 | T | 0.03 | T | | | | |
| 12/05/83 | 5050 | | | | 12.0C | | -- | | 0.00 | T | 0.05 | T | 0.00 | T | 0.000 | T | -- | | | | | |
| 1410 | 5050 | 105 | 102 | | 7.3 | 0.00 | T | 0.00 | T | -- | 0.31 | T | 0.01 | T | 0.00 | T | 0.07 | T | | | | |
| 02/29/84 | 5050 | | | | 9.2C | | -- | | 0.00 | T | 0.04 | T | 0.00 | T | 0.000 | T | -- | | | | | |
| 1300 | 5050 | 0 | 95 | | 7.4 | 0.00 | T | 0.00 | T | -- | 0.42 | T | 0.01 | T | 0.01 | T | 0.08 | T | | | | |
| 02/29/84 | 5050 | | | | 8.0C | | -- | | 0.00 | T | 0.02 | T | 0.00 | T | 0.000 | T | -- | | | | | |
| 1300 | 5050 | 115 | 96 | | 7.2 | 0.00 | T | 0.00 | T | -- | 0.16 | T | 0.01 | T | 0.00 | T | 0.03 | T | | | | |
| 05/09/84 | 5050 | | | | 8.9C | | -- | | 0.00 | T | 0.06 | T | 0.00 | T | 0.000 | T | -- | | | | | |
| 1100 | 5050 | 131 | 101 | | 7.2 | 0.00 | T | 0.00 | T | -- | 0.14 | T | 0.01 | T | 0.00 | T | 0.05 | T | | | | |
| 05/09/84 | 5050 | | | | 15.0C | | -- | | 0.00 | T | 0.05 | T | 0.00 | T | 0.000 | T | -- | | | | | |
| 1100 | 5050 | 0 | 97 | | 7.5 | 0.00 | T | 0.00 | T | -- | 0.12 | T | 0.00 | T | 0.00 | T | 0.04 | T | | | | |
| 07/12/84 | 5050 | | | | 11.0C | | -- | | 0.00 | T | 0.06 | T | 0.00 | T | 0.000 | T | -- | | | | | |
| 0800 | 5050 | 115 | 104 | | 7.2 | 0.00 | T | 0.00 | T | -- | 0.30 | T | 0.01 | T | 0.00 | T | 0.08 | T | | | | |
| 07/12/84 | 5050 | | | | 26.0C | | -- | | 0.00 | T | 0.05 | T | 0.00 | T | 0.000 | T | -- | | | | | |
| 0800 | 5050 | 0 | 103 | | 7.6 | 0.00 | T | 0.00 | T | -- | 0.09 | T | 0.00 | T | 0.00 | T | 0.03 | T | | | | |
| 09/10/84 | 5050 | | | | 17.0C | | -- | | 0.00 | T | 0.02 | T | 0.00 | T | 0.000 | T | -- | | | | | |
| 0900 | 5050 | 88 | 116 | | 7.0 | 0.00 | T | 0.00 | T | -- | 0.44 | T | 0.02 | T | 0.000 | T | 0.03 | T | | | | |
| 09/10/84 | 5050 | | | | 23.5C | | -- | | 0.00 | T | 0.01 | T | 0.00 | T | 0.000 | T | -- | | | | | |
| 0900 | 5050 | 0 | 115 | | 7.6 | 0.00 | T | 0.00 | T | -- | 0.16 | T | 0.00 | T | 0.000 | T | 0.02 | T | | | | |

MINOR ELEMENT ANALYSES OF SURFACE WATER

| DATE TIME | SAMP LAB | DEPTH | DISCH EC | TEMP PH | ARSENIC | | CONSTITUENTS BARIUM CADMIUM | | IN MILLIGRAMS CHROM (ALL) CHROM (HEX) | | PER LITER COPPER IRON | | LEAD MANGANESE | | MERCURY SELENIUM | | SILVER ZINC | | REM |
|--|-------------|-------|-------------|------------|---------|-------|-----------------------------------|-------|---|-------|-----------------------------|-------|-------------------|-------|---------------------|-------|----------------|-------|-------|
| * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * |
| A2 L 044.9 212.1 SHASTA LK PIT R AB JONES VALLEY A20A0 | | | | | | | | | | | | | | | | | | | |
| 05/16/83 | 5050 | | | 15.4C | | | -- | | 0.00 | T | 0.03 | T | 0.00 | T | 0.000 | T | -- | | |
| 1120 | 5050 | 0 | | 7.5 | 0.00 | T | 0.00 | T | -- | | 0.28 | T | 0.01 | T | 0.01 | T | 0.02 | T | |
| 05/16/83 | 5050 | | | 7.2C | | | -- | | 0.00 | T | 0.02 | T | 0.00 | T | 0.000 | T | -- | | |
| 1130 | 5050 | 279 | | 7.1 | 0.00 | T | 0.00 | T | -- | | 0.82 | T | 0.04 | T | 0.01 | T | 0.01 | T | |
| 07/26/83 | 5050 | | | 23.9C | | | -- | | 0.00 | T | 0.01 | T | 0.00 | T | 0.000 | T | -- | | |
| 0830 | 5050 | 0 | 98 | 8.0 | 0.00 | T | 0.00 | T | -- | | 0.09 | T | 0.00 | T | 0.01 | T | 0.01 | T | |
| 07/26/83 | 5050 | | | 9.0C | | | -- | | 0.00 | T | 0.01 | T | 0.00 | T | 0.000 | T | -- | | |
| 0840 | 5050 | 262 | 114 | 6.9 | 0.00 | T | 0.00 | T | -- | | 0.48 | T | 0.02 | T | 0.02 | T | 0.01 | T | |
| 09/29/83 | 5050 | | | 20.8C | | | -- | | 0.00 | T | 0.02 | T | 0.00 | T | 0.000 | T | -- | | |
| 1130 | 5050 | 0 | | 7.7 | 0.00 | T | 0.00 | T | -- | | 0.09 | T | 0.00 | T | 0.01 | T | 0.00 | T | |
| 09/29/83 | 5050 | | | 12.2C | | | -- | | 0.00 | T | 0.02 | T | 0.00 | T | 0.000 | T | -- | | |
| 1140 | 5050 | 230 | | 6.8 | 0.00 | T | 0.00 | T | -- | | 0.70 | T | 0.06 | T | 0.01 | T | 0.00 | T | |
| 12/19/83 | 5050 | | | 12.0C | | | -- | | 0.00 | T | 0.01 | T | 0.00 | T | 0.000 | T | -- | | |
| 1230 | 5050 | 0 | | 7.3 | 0.00 | T | 0.00 | T | -- | | 0.02 | T | 0.01 | T | 0.01 | T | 0.01 | T | |
| 12/19/83 | 5050 | | | 8.3C | | | -- | | 0.00 | T | 0.01 | T | 0.00 | T | 0.000 | T | -- | | |
| 1240 | 5050 | 243 | | 7.3 | 0.00 | T | 0.00 | T | -- | | 0.93 | T | 0.03 | T | 0.01 | T | 0.03 | T | |
| 02/27/84 | 5050 | | | 10.0C | | | -- | | 0.00 | T | 0.01 | T | 0.00 | T | 0.000 | T | -- | | |
| 1200 | 5050 | 0 | 107 | 7.5 | 0.00 | T | 0.00 | T | -- | | 0.03 | T | 0.00 | T | 0.01 | T | 0.00 | T | |
| 02/27/84 | 5050 | | | 6.8C | | | -- | | 0.00 | T | 0.01 | T | 0.00 | T | 0.000 | T | -- | | |
| 1200 | 5050 | 180 | 130 | 7.3 | 0.00 | T | 0.00 | T | -- | | 0.85 | T | 0.02 | T | 0.03 | T | 0.00 | T | |
| 05/07/84 | 5050 | | | 8.7C | | | -- | | 0.00 | T | 0.02 | T | 0.00 | T | 0.000 | T | -- | | |
| 0830 | 5050 | 180 | 118 | 7.3 | 0.00 | T | 0.00 | T | -- | | 0.98 | T | 0.02 | T | 0.01 | T | 0.01 | T | |
| 05/07/84 | 5050 | | | 14.5C | | | -- | | 0.00 | T | 0.02 | T | 0.00 | T | 0.000 | T | -- | | |
| 0830 | 5050 | 0 | 99 | 7.7 | 0.00 | T | 0.00 | T | -- | | 0.12 | T | 0.01 | T | 0.00 | T | 0.00 | T | |
| 07/10/84 | 5050 | | | 26.8C | | | -- | | 0.00 | T | 0.03 | T | 0.00 | T | 0.000 | T | -- | | |
| 0830 | 5050 | 0 | 108 | 7.7 | 0.00 | T | 0.00 | T | -- | | 0.11 | T | 0.00 | T | 0.00 | T | 0.01 | T | |
| 07/10/84 | 5050 | | | 53.0F | | | -- | | 0.00 | T | 0.03 | T | 0.00 | T | 0.000 | T | -- | | |
| 0830 | 5050 | 243 | 126 | 7.0 | 0.00 | T | 0.00 | T | -- | | 0.49 | T | 0.04 | T | 0.00 | T | 0.01 | T | |
| 09/11/84 | 5050 | | | 23.6C | | | -- | | 0.00 | T | 0.00 | T | 0.00 | T | 0.000 | T | -- | | |
| 0815 | 5050 | 0 | 118 | 7.8 | 0.00 | T | 0.00 | T | -- | | 0.10 | T | 0.00 | T | 0.000 | T | 0.01 | T | |
| 09/11/84 | 5050 | | | 9.1C | | | -- | | 0.00 | T | 0.00 | T | 0.00 | T | 0.000 | T | -- | | |
| 0815 | 5050 | 230 | 137 | 6.9 | 0.00 | T | 0.00 | T | -- | | 0.54 | T | 0.08 | T | 0.000 | T | 0.01 | T | |

MINOR ELEMENT ANALYSES OF SURFACE WATER

| DATE TIME | | | SAMP LAB | | DEPTH | DISCH EC | TEMP PH | ARSENIC | | CONSTITUENTS BARIUM CADMIUM | | IN MILLIGRAMS CHROM (ALL) CHROM (HEX) | | PER LITER COPPER IRON | | LEAD MANGANESE | | MERCURY SELENIUM | | SILVER ZINC | | REM |
|--|------|-----|-------------|--|-------|-------------|------------|---------|---|-----------------------------------|---|---|---|-----------------------------|---|-------------------|---|---------------------|---|----------------|---|-----|
| A2 L 045.4 225.5 SHASTA LK LITTLE BACKBONE C INLET A20A0 | | | | | | | | | | | | | | | | | | | | | | |
| 05/13/83 | 5050 | | | | | | 14.5C | | | -- | | 0.00 | T | 0.03 | T | 0.00 | T | 0.000 | T | -- | | |
| 1300 | 5050 | 0 | | | | | 7.4 | 0.01 | T | 0.00 | T | -- | | 0.26 | T | 0.05 | T | 0.02 | T | 0.04 | T | |
| 05/13/83 | 5050 | | | | | | 7.4C | | | -- | | 0.00 | T | 0.03 | T | 0.00 | T | 0.000 | T | -- | | |
| 1310 | 5050 | 197 | | | | | 7.2 | 0.00 | T | 0.00 | T | -- | | 0.51 | T | 0.01 | T | 0.01 | T | 0.02 | T | |
| 07/27/83 | 5050 | | | | | | 24.8C | | | -- | | 0.04 | T | 0.03 | T | 0.00 | T | 0.000 | T | -- | | |
| 1200 | 5050 | 0 | 88 | | | | 7.8 | 0.00 | T | 0.00 | T | -- | | 2.6 | T | 0.07 | T | 0.02 | T | 0.74 | T | |
| 07/27/83 | 5050 | | | | | | 10.0C | | | -- | | 0.00 | T | 0.02 | T | 0.00 | T | 0.000 | T | -- | | |
| 1210 | 5050 | 177 | | | | | 7.1 | 0.00 | T | 0.00 | T | -- | | 0.24 | T | 0.01 | T | 0.01 | T | 0.04 | T | |
| 10/03/83 | 5050 | | | | | | 19.8C | | | -- | | 0.00 | T | 0.02 | T | 0.00 | T | 0.000 | T | -- | | |
| 0810 | 5050 | 0 | | | | | 8.0 | 0.00 | T | 0.00 | T | -- | | 0.23 | T | 0.00 | T | 0.00 | T | 0.05 | T | |
| 10/03/83 | 5050 | | | | | | 13.1C | | | -- | | 0.00 | T | 0.02 | T | 0.01 | T | 0.000 | T | -- | | |
| 0820 | 5050 | 157 | | | | | 6.8 | 0.00 | T | 0.00 | T | -- | | 0.27 | T | 0.01 | T | 0.01 | T | 0.03 | T | |
| 12/20/83 | 5050 | | | | | | 12.0C | | | -- | | 0.00 | T | 0.02 | T | 0.00 | T | 0.000 | T | -- | | |
| 0845 | 5050 | 0 | | | | | 7.3 | 0.00 | T | 0.00 | T | -- | | 0.09 | T | 0.01 | T | 0.00 | T | 0.02 | T | |
| 12/20/83 | 5050 | | | | | | 10.2C | | | -- | | 0.00 | T | 0.01 | T | 0.00 | T | 0.000 | T | -- | | |
| 0955 | 5050 | 180 | | | | | 7.0 | 0.00 | T | 0.00 | T | -- | | 0.28 | T | 0.01 | T | 0.00 | T | 0.00 | T | |
| 02/28/84 | 5050 | | | | | | 9.5C | | | -- | | 0.00 | T | 0.03 | T | 0.00 | T | 0.000 | T | -- | | |
| 1300 | 5050 | 0 | 94 | | | | 7.3 | 0.00 | T | 0.00 | T | -- | | 0.09 | T | 0.01 | T | 0.00 | T | 0.04 | T | |
| 02/28/84 | 5050 | | | | | | 7.9C | | | -- | | 0.00 | T | 0.02 | T | 0.00 | T | 0.000 | T | -- | | |
| 1300 | 5050 | 148 | 95 | | | | 7.2 | 0.00 | T | 0.00 | T | -- | | 0.11 | T | 0.00 | T | 0.00 | T | 0.03 | T | |
| 05/08/84 | 5050 | | | | | | 17.3C | | | -- | | 0.00 | T | 0.05 | T | 0.01 | T | 0.000 | T | -- | | |
| 1130 | 5050 | 0 | 93 | | | | 7.6 | 0.00 | T | 0.00 | T | -- | | 1.7 | T | 0.01 | T | 0.00 | T | 0.03 | T | |
| 05/08/84 | 5050 | | | | | | 8.7C | | | -- | | 0.00 | T | 0.05 | T | 0.01 | T | 0.000 | T | -- | | |
| 1130 | 5050 | 138 | 99 | | | | 7.3 | 0.00 | T | 0.00 | T | -- | | 0.09 | T | 0.00 | T | 0.00 | T | 0.03 | T | |
| 07/11/84 | 5050 | | | | | | 25.7C | | | -- | | 0.00 | T | 0.04 | T | 0.00 | T | 0.000 | T | -- | | |
| 0800 | 5050 | 0 | 103 | | | | 7.7 | 0.00 | T | 0.00 | T | -- | | 0.09 | T | 0.00 | T | 0.00 | T | 0.01 | T | |
| 07/11/84 | 5050 | | | | | | 10.4C | | | -- | | 0.00 | T | 0.05 | T | 0.00 | T | 0.000 | T | -- | | |
| 0800 | 5050 | 148 | 108 | | | | 7.2 | 0.00 | T | 0.00 | T | -- | | 0.16 | T | 0.00 | T | 0.00 | T | 0.03 | T | |
| 09/13/84 | 5050 | | | | | | 22.9C | | | -- | | 0.00 | T | 0.01 | T | 0.00 | T | 0.000 | T | -- | | |
| 0830 | 5050 | 0 | 116 | | | | 7.5 | 0.00 | T | 0.00 | D | -- | | 0.09 | T | 0.01 | T | 0.000 | T | 0.01 | T | |
| 09/13/84 | 5050 | | | | | | 16.1C | | | -- | | 0.00 | T | 0.01 | T | 0.00 | T | 0.000 | T | -- | | |
| 0830 | 5050 | 98 | 121 | | | | 7.0 | 0.00 | T | 0.00 | T | -- | | 0.25 | T | 0.01 | T | 0.000 | T | 0.02 | T | |

MINOR ELEMENT ANALYSES OF SURFACE WATER

| DATE TIME | SAMP LAB | DEPTH | DISCH EC | TEMP PH | ARSENIC | BARIUM CADMIUM | CHROM (ALL) CHROM (HEX) | COPPER IRON | LEAD MANGANESE | MERCURY SELENIUM | SILVER ZINC | REM |
|------------------|--------------|-------|-------------|--------------|-----------------------------|-------------------|----------------------------|------------------|-------------------|---------------------|----------------|-----|
| A2 L 046.4 212.9 | | | | | SHASTA LK SQUAW C BL ZINC C | | | | | A20A0 | | |
| 05/13/83 1045 | 5050 5050 | 0 | | 14.0C 7.4 | 0.00 T | -- 0.00 T | 0.00 T -- | 0.03 T 0.23 T | 0.00 T 0.00 T | 0.000 T 0.01 T | -- 0.02 T | |
| 05/13/83 1055 | 5050 5050 | 197 | | 7.6C 7.2 | 0.00 T | -- 0.00 T | 0.00 T -- | 0.02 T 0.60 T | 0.00 T 0.02 T | 0.000 T 0.02 T | -- 0.01 T | |
| 07/26/83 1145 | 5050 5050 | 0 | 100 | 24.3C 8.1 | 0.00 T | -- 0.00 T | 0.00 T -- | 0.01 T 0.06 T | 0.00 T 0.00 T | 0.000 T 0.02 T | -- 0.01 T | |
| 07/26/83 1155 | 5050 5050 | 171 | 110 | 10.2C 7.2 | 0.01 T | -- 0.00 T | 0.00 T -- | 0.01 T 0.23 T | 0.00 T 0.01 T | 0.000 T 0.02 T | -- 0.01 T | |
| 09/29/83 0830 | 5050 5050 | 0 | | 20.8C 7.7 | 0.00 T | -- 0.00 T | 0.00 T -- | 0.02 T 0.13 T | 0.00 T 0.00 T | 0.000 T 0.00 T | -- 0.01 T | |
| 09/29/83 0840 | 5050 5050 | 213 | | 12.2C 6.9 | 0.00 T | -- 0.00 T | 0.00 T -- | 0.02 T 0.64 T | 0.00 T 0.09 T | 0.000 T 0.00 T | -- 0.02 T | |
| 12/19/83 0945 | 5050 5050 | 0 | | 12.1C 7.3 | 0.00 T | -- 0.00 T | 0.00 T -- | 0.01 T 0.07 T | 0.00 T 0.01 T | 0.000 T 0.00 T | -- 0.01 T | |
| 12/19/83 0955 | 5050 5050 | 190 | | 8.5C 7.2 | 0.00 T | -- 0.00 T | 0.00 T -- | 0.02 T 0.48 T | 0.00 T 0.02 T | 0.000 T 0.00 T | -- 0.01 T | |
| 02/27/84 1000 | 5050 5050 | 213 | 126 | 6.9C 7.3 | 0.00 T | -- 0.00 T | 0.00 T -- | 0.01 T 0.36 T | 0.00 T 0.02 T | 0.000 T 0.01 T | -- 0.01 T | |
| 02/27/84 1000 | 5050 5050 | 0 | 108 | 9.2C 7.6 | 0.00 T | -- 0.00 T | 0.00 T -- | 0.01 T 0.05 T | 0.00 T 0.00 T | 0.000 T 0.00 T | -- 0.01 T | |
| 05/07/84 1100 | 5050 5050 | 230 | 122 | 7.9C 7.3 | 0.00 T | -- 0.00 T | 0.00 T -- | 0.03 T 0.22 T | 0.00 T 0.01 T | 0.000 T 0.02 T | -- 0.01 T | |
| 05/07/84 1100 | 5050 5050 | 0 | 100 | 15.0C 7.6 | 0.00 T | -- 0.00 T | 0.00 T -- | 0.04 T 0.11 T | 0.00 T 0.00 T | 0.000 T 0.00 T | -- 0.01 T | |
| 07/10/84 1130 | 5050 5050 | 220 | 120 | 7.2 7.2 | 0.00 T | -- 0.00 T | 0.00 T -- | 0.02 T 0.15 T | 0.00 T 0.01 T | 0.000 T 0.00 T | -- 0.01 T | |
| 07/10/84 1130 | 5050 5050 | 0 | 109 | 27.0C 7.6 | 0.00 T | -- 0.00 T | 0.00 T -- | 0.03 T 0.09 T | 0.00 T 0.00 T | 0.000 T 0.01 T | -- 0.01 T | |
| 09/11/84 1045 | 5050 5050 | 236 | 136 | 9.3C 7.0 | 0.00 T | -- 0.00 T | 0.00 T -- | 0.00 T 0.23 T | 0.00 T 0.03 T | 0.000 T 0.000 T | -- 0.01 T | |
| 09/11/84 1045 | 5050 5050 | 0 | 120 | 24.2C 7.9 | 0.00 T | -- 0.00 T | 0.00 T -- | 0.00 T 0.14 T | 0.00 T 0.00 T | 0.000 T 0.000 T | -- 0.01 T | |

MINOR ELEMENT ANALYSES OF SURFACE WATER

| DATE TIME | SAMP LAB | DEPTH | DISCH EC | TEMP PH | ARSENIC | | CONSTITUENTS BARIUM CADMIUM | | IN MILLIGRAMS PER LITER CHROM (ALL) CHROM (HEX) | | COPPER IRON | | LEAD MANGANESE | | MERCURY SELENIUM | | SILVER ZINC | | REM | | | |
|------------------|-------------|-------|--------------------------|------------|---------|-------|-----------------------------------|-------|---|-------|----------------|-------|-------------------|-------|---------------------|-------|----------------|-------|-------|-------|--|--|
| * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | | | |
| A2 L 048.4 217.6 | | | SHASTA LK MCCLLOUD R ARM | | | | | | | | | | | | | | | | | A24A0 | | |
| 05/12/83 | 5050 | | | 11.5C | | | -- | | 0.00 | T | 0.02 | T | 0.00 | T | 0.000 | T | -- | | | | | |
| 1015 | 5050 | 0 | | 8.0 | 0.00 | T | 0.00 | T | -- | | 0.17 | T | 0.00 | T | 0.01 | T | 0.01 | T | | | | |
| 05/12/83 | 5050 | | | 7.1C | | | -- | | 0.00 | T | 0.03 | T | 0.00 | T | 0.000 | T | -- | | | | | |
| 1025 | 5050 | 223 | | | 0.00 | T | 0.00 | T | -- | | 0.43 | T | 0.01 | T | 0.01 | T | 0.01 | T | | | | |
| 07/28/83 | 5050 | | | 23.9C | | | -- | | 0.00 | T | 0.01 | T | 0.00 | T | 0.000 | T | -- | | | | | |
| 0930 | 5050 | 0 | 98 | 8.0 | 0.00 | T | 0.00 | T | -- | | 0.10 | T | 0.00 | T | 0.01 | T | 0.00 | T | | | | |
| 07/28/83 | 5050 | | | 9.5C | | | -- | | 0.00 | T | 0.02 | T | 0.00 | T | 0.000 | T | -- | | | | | |
| 0940 | 5050 | 197 | 90 | 7.3 | 0.00 | T | 0.00 | T | -- | | 0.12 | T | 0.00 | T | 0.01 | T | 0.01 | T | | | | |
| 10/03/83 | 5050 | | | 19.8C | | | -- | | 0.00 | T | 0.02 | T | 0.01 | T | 0.000 | T | -- | | | | | |
| 1100 | 5050 | 0 | | 7.6 | 0.00 | T | 0.00 | T | -- | | 0.57 | T | 0.00 | T | 0.00 | T | 0.00 | T | | | | |
| 10/03/83 | 5050 | | | 8.6C | | | -- | | 0.00 | T | 0.02 | T | 0.01 | T | 0.000 | T | -- | | | | | |
| 1110 | 5050 | 279 | | 6.9 | 0.00 | T | 0.00 | T | -- | | 0.82 | T | 0.01 | T | 0.01 | T | 0.01 | T | | | | |
| 12/20/83 | 5050 | | | 11.8C | | | -- | | 0.00 | T | 0.01 | T | 0.00 | T | 0.000 | T | -- | | | | | |
| 1130 | 5050 | 0 | | 7.3 | 0.00 | T | 0.00 | T | -- | | 0.05 | T | 0.00 | T | 0.00 | T | 0.00 | T | | | | |
| 12/20/83 | 5050 | | | 9.4C | | | -- | | 0.00 | T | 0.01 | T | 0.00 | T | 0.000 | T | -- | | | | | |
| 1140 | 5050 | 197 | | 7.2 | 0.00 | T | 0.00 | T | -- | | 0.32 | T | 0.02 | T | 0.01 | T | 0.00 | T | | | | |
| 02/28/84 | 5050 | | | 6.3C | | | -- | | 0.00 | T | 0.01 | T | 0.00 | T | 0.000 | T | -- | | | | | |
| 0930 | 5050 | 312 | 121 | 7.2 | 0.00 | T | 0.00 | T | -- | | 0.46 | T | 0.03 | T | 0.01 | T | 0.02 | T | | | | |
| 02/28/84 | 5050 | | | 8.2C | | | -- | | 0.00 | T | 0.01 | T | 0.00 | T | 0.000 | T | -- | | | | | |
| 0930 | 5050 | 0 | 103 | 7.3 | 0.00 | T | 0.00 | T | -- | | 0.05 | T | 0.00 | T | 0.00 | T | 0.00 | T | | | | |
| 05/08/84 | 5050 | | | 14.6C | | | -- | | 0.00 | T | 0.03 | T | 0.00 | T | 0.000 | T | -- | | | | | |
| 0900 | 5050 | 0 | 98 | 7.7 | 0.00 | T | 0.00 | T | -- | | 0.12 | T | 0.00 | T | 0.00 | T | 0.00 | T | | | | |
| 05/06/84 | 5050 | | | 7.0C | | | -- | | 0.00 | T | 0.03 | T | 0.00 | T | 0.000 | T | -- | | | | | |
| 0900 | 5050 | 292 | 117 | 7.2 | 0.00 | T | 0.00 | T | -- | | 0.50 | T | 0.01 | T | 0.01 | T | 0.01 | T | | | | |
| 07/11/84 | 5050 | | | 48.0F | | | -- | | 0.00 | T | 0.04 | T | 0.00 | T | 0.000 | T | -- | | | | | |
| 1000 | 5050 | 295 | 117 | 7.1 | 0.00 | T | 0.00 | T | -- | | 0.32 | T | 0.01 | T | 0.01 | T | 0.01 | T | | | | |
| 07/11/84 | 5050 | | | 26.0C | | | -- | | 0.00 | T | 0.05 | T | 0.01 | T | 0.000 | T | -- | | | | | |
| 1000 | 5050 | 0 | 106 | 7.6 | 0.00 | T | 0.00 | T | -- | | 0.20 | T | 0.00 | T | 0.00 | T | 0.01 | T | | | | |
| 09/13/84 | 5050 | | | 7.2C | | | -- | | 0.00 | T | 0.00 | T | 0.00 | T | 0.000 | T | -- | | | | | |
| 1015 | 5050 | 295 | 131 | 7.0 | 0.00 | T | 0.00 | T | -- | | 1.1 | T | 0.05 | T | 0.000 | T | 0.01 | T | | | | |
| 09/13/84 | 5050 | | | 22.8C | | | -- | | 0.00 | T | 0.00 | T | 0.00 | T | 0.000 | T | -- | | | | | |
| 1015 | 5050 | 0 | 116 | 7.5 | 0.00 | T | 0.00 | T | -- | | 0.29 | T | 0.00 | T | 0.000 | T | 0.01 | T | | | | |

MINOR ELEMENT ANALYSES OF SURFACE WATER

| DATE TIME | SAMP LAB | DEPTH | DISCH EC | TEMP PH | CONSTITUENTS | | | | IN MILLIGRAMS PER LITER | | | | LEAD | | | | MERCURY | | | | SILVER | | | | REM |
|---|-------------|-------|-------------|------------|--------------|--------|---------|-------------|-------------------------|--------|------|-----------|----------|-------|-------|-------|---------|-------|-------|-------|--------|-------|--|--|-----|
| * * * | * * * | * * * | * * * | * * * | ARSENIC | BARIUM | CADMIUM | CHROM (ALL) | CHROM (HEX) | COPPER | IRON | MANGANESE | SELENIUM | ZINC | * * * | * * * | * * * | * * * | * * * | * * * | * * * | | | | |
| A2 L 048.5 222.8 SHASTA LK SACRAMENTO R ARM | | | | | | | | | | | | | | | | | | | | | | A24A0 | | | |
| 05/16/83 | 5050 | | | 13.8C | | -- | | 0.00 | T | 0.02 | T | 0.00 | T | 0.000 | T | -- | | | | | | | | | |
| 1330 | 5050 | 0 | | 7.4 | 0.00 | T | 0.00 | T | -- | 0.19 | T | 0.00 | T | 0.01 | T | 0.02 | T | | | | | | | | |
| 05/16/83 | 5050 | | | | | -- | | 0.00 | T | 0.02 | T | 0.00 | T | 0.000 | T | -- | | | | | | | | | |
| 1340 | 5050 | 326 | | 7.2 | 0.00 | T | 0.00 | T | -- | 0.66 | T | 0.01 | T | 0.01 | T | 0.02 | T | | | | | | | | |
| 07/27/83 | 5050 | | | 23.3C | | -- | | 0.00 | T | 0.01 | T | 0.00 | T | 0.000 | T | -- | | | | | | | | | |
| 0840 | 5050 | 0 | 93 | 8.0 | 0.00 | T | 0.00 | T | -- | 0.09 | T | 0.00 | T | 0.01 | T | 0.01 | T | | | | | | | | |
| 07/27/83 | 5050 | | | 7.9C | | -- | | 0.00 | T | 0.01 | T | 0.00 | T | 0.000 | T | -- | | | | | | | | | |
| 0850 | 5050 | 312 | 73 | 7.0 | 0.01 | T | 0.00 | T | -- | 0.27 | T | 0.01 | T | 0.01 | T | 0.01 | T | | | | | | | | |
| 10/04/83 | 5050 | | | 19.8C | | -- | | 0.00 | T | 0.02 | T | 0.00 | T | 0.000 | T | -- | | | | | | | | | |
| 0830 | 5050 | 0 | | 7.5 | 0.00 | T | 0.00 | T | -- | 0.07 | T | 0.00 | T | 0.01 | T | 0.00 | T | | | | | | | | |
| 10/04/83 | 5050 | | | 8.3C | | -- | | 0.00 | T | 0.02 | T | 0.01 | T | 0.000 | T | -- | | | | | | | | | |
| 0840 | 5050 | 292 | | 6.9 | 0.00 | T | 0.00 | T | -- | 0.28 | T | 0.02 | T | 0.00 | T | 0.02 | T | | | | | | | | |
| 12/05/83 | 5050 | | | 12.8C | | -- | | 0.00 | T | 0.01 | T | 0.00 | T | 0.000 | T | -- | | | | | | | | | |
| 1120 | 5050 | 0 | 103 | 7.5 | 0.00 | T | 0.00 | T | -- | 0.04 | T | 0.00 | T | 0.00 | T | 0.00 | T | | | | | | | | |
| 12/05/83 | 5050 | | | 9.4C | | -- | | 0.00 | T | 0.01 | T | 0.00 | T | 0.000 | T | -- | | | | | | | | | |
| 1130 | 5050 | 279 | 80 | 6.8 | 0.00 | T | 0.00 | T | -- | 0.23 | T | 0.02 | T | 0.01 | T | 0.00 | T | | | | | | | | |
| 02/29/84 | 5050 | | | 6.4C | | -- | | 0.00 | T | 0.01 | T | 0.00 | T | 0.000 | T | -- | | | | | | | | | |
| 0930 | 5050 | 315 | 118 | 7.2 | 0.00 | T | 0.00 | T | -- | 0.42 | T | 0.02 | T | 0.00 | T | 0.00 | T | | | | | | | | |
| 02/29/84 | 5050 | | | 8.8C | | -- | | 0.00 | T | 0.01 | T | 0.00 | T | 0.000 | T | -- | | | | | | | | | |
| 0930 | 5050 | 0 | 93 | 7.4 | 0.00 | T | 0.00 | T | -- | 0.04 | T | 0.00 | T | 0.00 | T | 0.01 | T | | | | | | | | |
| 05/09/84 | 5050 | | | 6.6C | | -- | | 0.00 | T | 0.03 | T | 0.01 | T | 0.000 | T | -- | | | | | | | | | |
| 0930 | 5050 | 308 | 104 | 7.2 | 0.00 | T | 0.00 | T | -- | 0.34 | T | 0.00 | T | 0.01 | T | 0.03 | T | | | | | | | | |
| 05/09/84 | 5050 | | | 14.8C | | -- | | 0.00 | T | 0.04 | T | 0.00 | T | 0.000 | T | -- | | | | | | | | | |
| 0930 | 5050 | 0 | 96 | 7.6 | 0.00 | T | 0.00 | T | -- | 0.09 | T | 0.01 | T | 0.01 | T | 0.01 | T | | | | | | | | |
| 07/12/84 | 5050 | | | 48.0F | | -- | | 0.00 | T | 0.04 | T | 0.00 | D | 0.000 | T | -- | | | | | | | | | |
| 1000 | 5050 | 279 | 103 | 7.1 | 0.00 | T | 0.00 | T | -- | 0.84 | T | 0.04 | T | 0.00 | T | 0.01 | T | | | | | | | | |
| 07/12/84 | 5050 | | | 25.4C | | -- | | 0.00 | T | 0.05 | T | 0.00 | T | 0.000 | T | -- | | | | | | | | | |
| 1000 | 5050 | 0 | 101 | 7.6 | 0.00 | T | 0.00 | T | -- | 0.08 | T | 0.00 | T | 0.00 | T | 0.01 | T | | | | | | | | |
| 09/10/84 | 5050 | | | 7.0C | | -- | | 0.00 | T | 0.00 | T | 0.00 | T | 0.000 | T | -- | | | | | | | | | |
| 1100 | 5050 | 295 | 119 | 6.9 | 0.00 | T | 0.00 | T | -- | 0.60 | T | 0.02 | T | 0.000 | T | 0.01 | T | | | | | | | | |
| 09/10/84 | 5050 | | | 23.9C | | -- | | 0.00 | T | 0.00 | T | 0.00 | T | 0.000 | T | -- | | | | | | | | | |
| 1100 | 5050 | 0 | 116 | 7.6 | 0.00 | T | 0.00 | T | -- | 0.05 | T | 0.00 | T | 0.000 | T | 0.01 | T | | | | | | | | |

MINOR ELEMENT ANALYSES OF SURFACE WATER

| DATE TIME | SAMP LAB | DEPTH | DISCH EC | TEMP PH | ARSENIC | | CONSTITUENTS BARIUM CADMIUM | | IN MILLIGRAMS CHROM (ALL) CHROM (HEX) | | PER LITER COPPER IRON | | LEAD MANGANESE | | MERCURY SELENIUM | | SILVER ZINC | | REM |
|--------------|-------------|-------|-------------------------|------------|---------|-------|-----------------------------------|-------|---|-------|-----------------------------|-------|-------------------|-------|---------------------|-------|----------------|-------|-------|
| * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * |
| A2 1010.00 | | | SACRAMENTO R A KESWICK | | | | | | | | | | A19C0 | | | | | | |
| 04/29/83 | 5050 | | | 8.9C | | | -- | | 0.00 | T | 0.04 | T | 0.00 | T | 0.000 | T | -- | | |
| 0940 | 5050 | | 82 | 7.0 | 0.00 | T | 0.00 | T | -- | | 1.4 | T | 0.02 | T | 0.01 | T | 0.08 | T | |
| 07/15/83 | 5050 | | | 11.1C | | | -- | | 0.00 | T | 0.04 | T | 0.00 | T | 0.000 | T | -- | | |
| 1300 | 5050 | | 96 | 7.1 | 0.00 | T | 0.00 | T | -- | | 0.43 | T | 0.01 | T | 0.00 | T | 0.04 | T | |
| 07/21/83 | 5050 | | | 11.9C | | | -- | | 0.00 | T | 0.02 | T | 0.00 | T | 0.000 | T | -- | | |
| 1310 | 5050 | | 91 | 7.1 | 0.00 | T | 0.00 | T | -- | | 0.20 | T | 0.00 | T | 0.00 | T | 0.02 | T | |
| 11/30/83 | 5050 | | | 12.2C | | | -- | | 0.00 | T | 0.02 | T | 0.00 | T | 0.000 | T | -- | | |
| 1100 | 5050 | | 110 | 7.1 | 0.00 | T | 0.00 | T | -- | | 0.31 | T | 0.01 | T | 0.00 | T | 0.02 | T | |
| 02/23/84 | 5050 | | | 47.0F | | | -- | | -- | | 0.03 | T | -- | | 0.000 | T | -- | | |
| 1405 | 5050 | | 103 | 7.2 | -- | | 0.00 | T | -- | | 0.29 | T | -- | | -- | | 0.03 | T | |
| 05/02/84 | 5050 | | | 47.0F | | | -- | | -- | | 0.06 | T | -- | | 0.000 | T | -- | | |
| 0915 | 5050 | 0 | 120 | 7.3 | -- | | 0.00 | T | -- | | 0.37 | T | -- | | -- | | 0.02 | T | |
| A2 1040.00 | | | SACRAMENTO R A MATHESON | | | | | | | | | | A19C0 | | | | | | |
| 04/29/83 | 5050 | | | 9.4C | | | -- | | 0.00 | T | 0.03 | T | 0.00 | T | 0.000 | T | -- | | |
| 0820 | 5050 | | 96 | 7.2 | 0.00 | T | 0.00 | T | -- | | 1.0 | T | 0.02 | T | 0.01 | T | 0.04 | T | |
| 07/15/83 | 5050 | | | 10.0C | | | -- | | 0.00 | T | 0.03 | T | 0.00 | T | 0.000 | T | -- | | |
| 1415 | 5050 | | 100 | 7.2 | 0.00 | T | 0.00 | T | -- | | 0.27 | T | 0.01 | T | 0.00 | T | 0.02 | T | |
| 09/21/83 | 5050 | | | 12.5C | | | -- | | 0.00 | T | 0.02 | T | 0.01 | T | 0.000 | T | -- | | |
| 1340 | 5050 | | 97 | 7.3 | 0.00 | T | 0.00 | T | -- | | 0.21 | T | 0.01 | T | 0.00 | T | 0.02 | T | |
| 11/30/83 | 5050 | | | 12.2C | | | -- | | 0.00 | T | 0.02 | T | 0.00 | T | 0.000 | T | -- | | |
| 0930 | 5050 | | 118 | 7.1 | 0.00 | T | 0.00 | T | -- | | 0.18 | T | 0.01 | T | 0.01 | T | 0.00 | T | |
| 02/23/84 | 5050 | | | 49.0F | | | -- | | -- | | 0.02 | T | -- | | 0.000 | T | -- | | |
| 1515 | 5050 | | 105 | 7.3 | -- | | 0.00 | T | -- | | 0.24 | T | -- | | -- | | 0.01 | T | |
| 05/02/84 | 5050 | | | 48.0F | | | -- | | -- | | 0.06 | T | -- | | 0.000 | T | -- | | |
| 0815 | 5050 | 0 | 118 | 7.3 | -- | | 0.00 | T | -- | | 0.32 | T | -- | | -- | | 0.01 | T | |
| A2 1300.00 | | | SACRAMENTO R A DELTA | | | | | | | | | | A20B0 | | | | | | |
| 04/27/83 | 5050 | | | 7.8C | | | -- | | 0.00 | T | 0.02 | T | 0.00 | T | 0.000 | T | -- | | |
| 1630 | 5050 | | 77 | 7.2 | 0.00 | T | 0.00 | T | -- | | 0.24 | T | 0.01 | T | 0.01 | T | 0.01 | T | |
| 07/13/83 | 5050 | | | 16.4C | | | -- | | 0.00 | T | 0.03 | T | 0.00 | T | 0.000 | T | -- | | |
| 1430 | 5050 | | 87 | 7.4 | 0.00 | T | 0.00 | T | -- | | 0.16 | T | 0.01 | T | 0.00 | T | 0.02 | T | |
| 09/19/83 | 5050 | | | 16.7C | | | -- | | 0.00 | T | 0.02 | T | 0.01 | T | 0.000 | T | -- | | |
| 1545 | 5050 | | 126 | 8.3 | 0.00 | T | 0.00 | T | -- | | 0.13 | T | 0.01 | T | 0.00 | T | 0.01 | T | |

MINOR ELEMENT ANALYSES OF SURFACE WATER

| DATE TIME | SAMP LAB | DEPTH | DISCH EC | TEMP PH | ARSENIC | BARIUM CADMIUM | CHROM (ALL) CHROM (HEX) | COPPER IRON | LEAD MANGANESE | MERCURY SELENIUM | SILVER ZINC | REM |
|--------------|-------------|-------|-------------------------|------------|---------|-------------------|----------------------------|-----------------|-------------------|---------------------|----------------|------|
| * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * |
| A2 1300.00 | | | SACRAMENTO R A DELTA | | | | | A20B0 CONTINUED | | | | |
| 11/29/83 | 5050 | | | 6.1C | | -- | 0.00 | T | 0.02 | T | 0.000 | -- |
| 1600 | 5050 | | 102 | 7.3 | 0.00 | T | 0.00 | T | 0.06 | T | 0.00 | T |
| 02/24/84 | 5050 | | | 46.0F | | -- | -- | T | 0.02 | T | 0.000 | -- |
| 1505 | 5050 | | 90 | 7.4 | -- | 0.00 | T | -- | 0.06 | T | -- | 0.00 |
| 05/03/84 | 5050 | | | 51.0F | | -- | -- | T | 0.06 | T | 0.000 | -- |
| 1315 | 5050 | 0 | 90 | 7.4 | -- | 0.00 | T | -- | 0.20 | T | -- | 0.00 |
| 07/20/84 | 5050 | | | 74.0F | | -- | -- | T | 0.04 | T | 0.000 | -- |
| 1400 | 5050 | | 135 | 8.3 | -- | 0.00 | T | -- | 0.10 | T | -- | 0.01 |
| 09/19/84 | 5050 | | | 72.0F | | -- | -- | T | 0.00 | T | 0.000 | -- |
| 1330 | 5050 | | 143 | 8.3 | -- | 0.00 | T | -- | 0.11 | T | -- | 0.00 |
| A2 2150.00 | | | MCCLLOUD R AB SHASTA LK | | | | | A22A1 | | | | |
| 04/27/83 | 5050 | | | 8.3C | | -- | 0.00 | T | 0.02 | T | 0.000 | -- |
| 1430 | 5050 | | 90 | 7.3 | 0.00 | T | 0.00 | T | 0.12 | T | 0.01 | T |
| 07/13/83 | 5050 | | | 17.2C | | -- | 0.00 | T | 0.02 | T | 0.000 | -- |
| 1245 | 5050 | | 112 | 8.0 | 0.00 | T | 0.00 | T | 0.11 | T | 0.01 | T |
| 07/19/83 | 5050 | | | 14.4C | | -- | 0.00 | T | 0.01 | T | 0.000 | -- |
| 1330 | 5050 | | 100 | 8.1 | 0.00 | T | 0.00 | T | 0.01 | T | 0.00 | T |
| 11/29/83 | 5050 | | | 6.1C | | -- | 0.00 | T | 0.01 | T | 0.000 | -- |
| 1400 | 5050 | | 110 | 7.3 | 0.00 | T | 0.00 | T | 0.04 | T | 0.01 | T |
| 02/24/84 | 5050 | | | 45.0F | | -- | -- | T | 0.02 | T | 0.000 | -- |
| 1320 | 5050 | | | 7.6 | -- | 0.00 | T | -- | 0.09 | T | -- | 0.01 |
| 05/03/84 | 5050 | | | 52.0F | | -- | -- | T | 0.05 | T | 0.000 | -- |
| 1120 | 5050 | 0 | 118 | 7.8 | -- | 0.00 | T | -- | 0.11 | T | -- | 0.01 |
| 07/20/84 | 5050 | | | 64.0F | | -- | -- | T | 0.05 | T | 0.000 | -- |
| 1230 | 5050 | | 107 | 8.1 | -- | 0.00 | T | -- | 0.10 | T | -- | 0.01 |
| 09/19/84 | 5050 | | | 58.0F | | -- | -- | T | 0.00 | T | 0.000 | -- |
| 1200 | 5050 | | 110 | 7.8 | -- | 0.00 | T | -- | 0.11 | T | -- | 0.00 |

MINOR ELEMENT ANALYSES OF SURFACE WATER

| DATE TIME | SAMP LAB | DEPTH | DISCH EC | TEMP PH | CONSTITUENTS IN MILLIGRAMS PER LITER | | | | | | | | | | LEAD | | MERCURY | | SILVER | | REM |
|--------------|-------------|-------|----------------------|------------|--------------------------------------|-------|-------------------|-------|----------------------------|-------|----------------|-------|-----------|-------|----------|-------|---------|-------|--------|--|-----|
| | | | | | ARSENIC | | BARIUM CADMIUM | | CHROM (ALL) CHROM (HEX) | | COPPER IRON | | MANGANESE | | SELENIUM | | ZINC | | | | |
| * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | | |
| A2 4100.00 | | | SQUAW C AB SHASTA LK | | | | | | | | | | A2280 | | | | | | | | |
| 04/27/83 | 5050 | | | 8.3C | | -- | | 0.00 | T | 0.02 | T | 0.00 | T | 0.000 | T | -- | | | | | |
| 1230 | 5050 | | 145 | 7.4 | 0.00 | T | 0.00 | T | -- | 0.09 | T | 0.00 | T | 0.01 | T | 0.01 | T | | | | |
| 07/13/83 | 5050 | | | 18.3C | | -- | | 0.00 | T | 0.03 | T | 0.00 | T | 0.000 | T | -- | | | | | |
| 1020 | 5050 | | 212 | 7.9 | 0.00 | T | 0.00 | T | -- | 0.04 | T | 0.01 | T | 0.00 | T | 0.01 | T | | | | |
| 09/19/83 | 5050 | | | 16.1C | | -- | | 0.00 | T | 0.02 | T | 0.01 | T | 0.000 | T | -- | | | | | |
| 1100 | 5050 | | 225 | 7.9 | 0.00 | T | 0.00 | T | -- | 0.06 | T | 0.01 | T | 0.00 | T | 0.01 | T | | | | |
| 11/29/83 | 5050 | | | 6.7C | | -- | | 0.00 | T | 0.02 | T | 0.00 | T | 0.000 | T | -- | | | | | |
| 1200 | 5050 | | 185 | 7.5 | 0.00 | T | 0.00 | T | -- | 0.03 | T | 0.00 | T | 0.00 | T | 0.00 | T | | | | |
| 02/24/84 | 5050 | | | 45.0F | | -- | | -- | | 0.02 | T | -- | | 0.000 | T | -- | | | | | |
| 1125 | 5050 | | 175 | 7.5 | -- | | 0.00 | T | -- | 0.01 | T | -- | | -- | | 0.00 | T | | | | |
| 05/03/84 | 5050 | | | 50.0F | | -- | | -- | | 0.07 | T | -- | | 0.000 | T | -- | | | | | |
| 0945 | 5050 | 0 | 195 | 7.4 | -- | | 0.00 | T | -- | 0.10 | T | -- | | -- | | 0.01 | T | | | | |
| 07/20/84 | 5050 | | | 70.0F | | -- | | -- | | 0.04 | T | -- | | 0.000 | T | -- | | | | | |
| 1100 | 5050 | | 225 | 8.0 | -- | | 0.00 | T | -- | 0.09 | T | -- | | -- | | 0.01 | T | | | | |
| 09/19/84 | 5050 | | | 62.0F | | -- | | -- | | 0.00 | T | -- | | 0.000 | T | -- | | | | | |
| 1030 | 5050 | | 219 | 7.6 | -- | | 0.00 | T | -- | 0.12 | T | -- | | -- | | 0.01 | T | | | | |

| DATE TIME | SAMP LAB | DEPTH | DISCH EC | TEMP PH | ALUMINUM | ANTIMONY BERYLLIUM | BISMUTH COBALT | GALLIUM GERMANIUM | LITHIUM MOLYBDENUM | NICKEL STRONTIUM | TITANIUM VANADIUM | REM |
|--|-------------|-------|-------------|------------|----------|-----------------------|-------------------|----------------------|-----------------------|---------------------|----------------------|-----|
| AD 2112.00 SACRAMENTO R A ELKHORN FERRY A02B0 | | | | | | | | | | | | |
| 09/20/83 | 5050 | | | 18.9C | | -- | -- | -- | -- | 0.01 | T | -- |
| 1200 | 5050 | | 175 | 7.4 | 1.1 | T | -- | -- | -- | -- | -- | |
| 02/22/84 | 5050 | | | 50.0F | | -- | -- | -- | -- | 0.00 | T | -- |
| 1140 | 5050 | | 140 | 7.2 | -- | -- | -- | -- | -- | -- | -- | |
| 05/01/84 | 5050 | | | 60.0F | | -- | -- | -- | -- | 0.01 | T | -- |
| 1040 | 5050 | 0 | 164 | 7.5 | -- | -- | -- | -- | -- | -- | -- | |
| AD 2230.02 SACRAMENTO R AB COLUSA BASIN DR A07A0 | | | | | | | | | | | | |
| 09/20/83 | 5050 | | | 20.6C | | -- | -- | -- | -- | 0.01 | T | -- |
| 1250 | 5050 | | 165 | 7.4 | 0.4 | T | -- | -- | -- | -- | -- | |
| 11/29/83 | 5050 | | | 10.8C | | -- | -- | -- | -- | 0.02 | T | -- |
| 1200 | 5050 | | 159 | 7.3 | 20. | T | -- | -- | -- | -- | -- | |
| 02/22/84 | 5050 | | | 51.0F | | -- | -- | -- | -- | 0.00 | T | -- |
| 1220 | 5050 | | 160 | 7.3 | -- | -- | -- | -- | -- | -- | -- | |
| 05/01/84 | 5050 | | | 58.0F | | -- | -- | -- | -- | 0.01 | T | -- |
| 1120 | 5050 | 0 | 160 | 7.5 | -- | -- | -- | -- | -- | -- | -- | |
| AD 2630.00 SACRAMENTO R A HAMILTON CITY A13B0 | | | | | | | | | | | | |
| 04/28/83 | 5050 | | | 12.8C | | -- | -- | -- | -- | 0.03 | T | -- |
| 1330 | 5050 | | 150 | 7.3 | 5.8 | T | -- | -- | -- | -- | -- | |
| 09/20/83 | 5050 | | | 17.2C | | -- | -- | -- | -- | 0.01 | T | -- |
| 1600 | 5050 | | 120 | 7.5 | 0.3 | T | -- | -- | -- | -- | -- | |
| 11/29/83 | 5050 | | | 11.1C | | -- | -- | -- | -- | 0.01 | T | -- |
| 1505 | 5050 | | 120 | 7.3 | 0.8 | T | -- | -- | -- | -- | -- | |
| 02/22/84 | 5050 | | | 49.0F | | -- | -- | -- | -- | 0.00 | T | -- |
| 1505 | 5050 | | 127 | 7.2 | -- | -- | -- | -- | -- | -- | -- | |
| 05/01/84 | 5050 | | | 57.0F | | -- | -- | -- | -- | 0.01 | T | -- |
| 1410 | 5050 | 0 | 130 | 7.4 | -- | -- | -- | -- | -- | -- | -- | |
| AD 2815.00 SACRAMENTO R A BALLS FERRY A17A0 | | | | | | | | | | | | |
| 04/29/83 | 5050 | | | 11.1C | | -- | -- | -- | -- | 0.01 | T | -- |
| 1130 | 5050 | | 90 | 7.0 | 1.1 | T | -- | -- | -- | -- | -- | |
| 09/21/83 | 5050 | | | 13.3C | | -- | -- | -- | -- | 0.01 | T | -- |
| 1000 | 5050 | | 99 | 7.2 | 0.2 | T | -- | -- | -- | -- | -- | |

SUPPLEMENTAL MINOR ELEMENT ANALYSES OF SURFACE WATER

| DATE TIME | SAMP LAB | DEPTH | DISCH EC | TEMP PH | ALUMINUM | CONSTITUENTS ANTIMONY BERYLLIUM | IN MILLIGRAMS BISMUTH COBALT | PER LITER GALLIUM GERMANIUM | LITHIUM MOLYBDENUM | NICKEL STRONTIUM | TITANIUM VANADIUM | REM |
|---|-------------|-------|-------------|------------|----------|---------------------------------------|------------------------------------|-----------------------------------|-----------------------|---------------------|----------------------|-----|
| AO 2815.00 SACRAMENTO R A BALLS FERRY A17AO CONTINUED | | | | | | | | | | | | |
| 12/01/83 | 5050 | | | 12.2C | | -- | -- | -- | -- | 0.00 | T | -- |
| 1330 | 5050 | | 118 | 7.2 | 0.2 | T | -- | -- | -- | -- | -- | -- |
| 03/05/84 | 5050 | | | 51.0F | | -- | -- | -- | -- | 0.00 | T | -- |
| 1325 | 5050 | | 130 | 7.3 | -- | -- | -- | -- | -- | -- | -- | -- |
| 05/02/84 | 5050 | | | 51.0F | | -- | -- | -- | -- | 0.00 | T | -- |
| 1115 | 5050 | 0 | 138 | 7.3 | -- | -- | -- | -- | -- | -- | -- | -- |
| A1 1020.00 PIT R NR MONTGOMERY C A2080 | | | | | | | | | | | | |
| 04/27/83 | 5050 | | | 9.4C | | -- | -- | -- | -- | 0.01 | T | -- |
| 0845 | 5050 | | 123 | 7.4 | 0.5 | T | -- | -- | -- | -- | -- | -- |
| 09/19/83 | 5050 | | | 15.3C | | -- | -- | -- | -- | 0.01 | T | -- |
| 0845 | 5050 | | 152 | 7.8 | 0.1 | T | -- | -- | -- | -- | -- | -- |
| 11/29/83 | 5050 | | | 7.2C | | -- | -- | -- | -- | 0.00 | T | -- |
| 1000 | 5050 | | 138 | 7.3 | 0.5 | T | -- | -- | -- | -- | -- | -- |
| 02/24/84 | 5050 | | | 45.0F | | -- | -- | -- | -- | 0.01 | T | -- |
| 0955 | 5050 | | 127 | 7.3 | -- | -- | -- | -- | -- | -- | -- | -- |
| 05/03/84 | 5050 | | | 51.0F | | -- | -- | -- | -- | 0.00 | T | -- |
| 0815 | 5050 | 0 | 130 | 7.6 | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/20/84 | 5050 | | | 66.0F | | -- | -- | -- | -- | 0.02 | T | -- |
| 0930 | 5050 | | 137 | 8.2 | -- | -- | -- | -- | -- | -- | -- | -- |
| 09/19/84 | 5050 | | | 60.0C | | -- | -- | -- | -- | 0.00 | T | -- |
| 0830 | 5050 | | 145 | 7.8 | -- | -- | -- | -- | -- | -- | -- | -- |
| A2 L 043.2 225.0 SHASTA LK A DM A24A0 | | | | | | | | | | | | |
| 05/18/83 | 5050 | | | 15.0C | | -- | -- | -- | -- | 0.01 | T | -- |
| 0700 | 5050 | 0 | | 7.4 | 0.2 | T | -- | -- | -- | -- | -- | -- |
| 05/18/83 | 5050 | | | | | -- | -- | -- | -- | 0.01 | T | -- |
| 0710 | 5050 | 427 | | 7.2 | 1.1 | T | -- | -- | -- | -- | -- | -- |
| 07/29/83 | 5050 | | | 23.5C | | -- | -- | -- | -- | 0.00 | T | -- |
| 0830 | 5050 | | 85 | 7.6 | 0.3 | T | -- | -- | -- | -- | -- | -- |
| 07/29/83 | 5050 | | | | | -- | -- | -- | -- | 0.01 | T | -- |
| 0840 | 5050 | 486 | 100 | 7.3 | 0.7 | T | -- | -- | -- | -- | -- | -- |
| 09/27/83 | 5050 | | | 20.5C | | -- | -- | -- | -- | 0.01 | T | -- |
| 0900 | 5050 | 0 | | 7.6 | 0.1 | T | -- | -- | -- | -- | -- | -- |

| DATE TIME | SAMP LAB | DEPTH | DISCH EC | TEMP PH | ALUMINUM | ANTIMONY BERYLLIUM | BISMUTH COBALT | GALLIUM GERMANIUM | LITHIUM MOLYBDENUM | NICKEL STRONTIUM | TITANIUM VANADIUM | REM | | | | | | | | |
|------------------|-------------|-------|-------------|------------|--------------------------------|-----------------------|-------------------|----------------------|-----------------------|---------------------|----------------------|-----|-----------------|--|--|--|--|--|--|--|
| A2 L 043.2 225.0 | | | | | SHASTA LK A DM | | | | | | | | A24AO CONTINUED | | | | | | | |
| 09/27/83 | 5050 | | | | | | | | | | | | | | | | | | | |
| 0910 | 5050 | 459 | | 7.0 | 0.9 | T | -- | -- | -- | 0.01 | T | -- | | | | | | | | |
| 12/21/83 | 5050 | | | 11.9C | | | | | | | | | | | | | | | | |
| 0945 | 5050 | 0 | | 7.3 | 0.0 | T | -- | -- | -- | 0.00 | T | -- | | | | | | | | |
| 12/21/83 | 5050 | | | 8.6C | | | | | | | | | | | | | | | | |
| 0955 | 5050 | 427 | | 6.9 | 1.0 | T | -- | -- | -- | 0.01 | T | -- | | | | | | | | |
| 03/01/84 | 5050 | | | 8.0C | | | | | | | | | | | | | | | | |
| 0930 | 5050 | 466 | 118 | 7.2 | 0.6 | T | -- | -- | -- | 0.01 | T | -- | | | | | | | | |
| 03/01/84 | 5050 | | | 9.2C | | | | | | | | | | | | | | | | |
| 0930 | 5050 | 0 | 96 | 7.4 | 0.1 | T | -- | -- | -- | 0.01 | T | -- | | | | | | | | |
| 05/11/84 | 5050 | | | 8.5C | | | | | | | | | | | | | | | | |
| 0800 | 5050 | 489 | 119 | 7.3 | 0.5 | T | -- | -- | -- | 0.01 | T | -- | | | | | | | | |
| 05/11/84 | 5050 | | | 15.3C | | | | | | | | | | | | | | | | |
| 0800 | 5050 | 0 | 94 | 7.7 | 0.0 | T | -- | -- | -- | 0.01 | T | -- | | | | | | | | |
| 07/19/84 | 5050 | | | 49.0F | | | | | | | | | | | | | | | | |
| 0900 | 5050 | 459 | 128 | 7.2 | 0.0 | T | -- | -- | -- | 0.01 | T | -- | | | | | | | | |
| 07/19/84 | 5050 | | | 27.2C | | | | | | | | | | | | | | | | |
| 0900 | 5050 | 0 | 105 | 7.7 | 0.1 | T | -- | -- | -- | 0.01 | T | -- | | | | | | | | |
| 09/14/84 | 5050 | | | 6.9C | | | | | | | | | | | | | | | | |
| 0800 | 5050 | 426 | 131 | 7.0 | 0.6 | T | -- | -- | -- | 0.00 | T | -- | | | | | | | | |
| 09/14/84 | 5050 | | | 22.5C | | | | | | | | | | | | | | | | |
| 0800 | 5050 | 0 | 114 | 7.6 | 0.1 | T | -- | -- | -- | 0.01 | T | -- | | | | | | | | |
| A2 L 044.3 227.3 | | | | | SHASTA LK A-LITTLE SQUAW INLET | | | | | | | | | | | | | | | |
| 05/12/83 | 5050 | | | 14.0C | | | | | | | | | | | | | | | | |
| 1415 | 5050 | 0 | | 7.4 | 0.2 | T | -- | -- | -- | 0.01 | T | -- | | | | | | | | |
| 07/28/83 | 5050 | | | 25.0C | | | | | | | | | | | | | | | | |
| 1330 | 5050 | 0 | 89 | 7.7 | 0.2 | T | -- | -- | -- | 0.00 | T | -- | | | | | | | | |
| 07/28/83 | 5050 | | | 10.2C | | | | | | | | | | | | | | | | |
| 1340 | 5050 | 157 | 82 | 7.3 | 0.4 | T | -- | -- | -- | 0.00 | T | -- | | | | | | | | |
| 10/04/83 | 5050 | | | 20.2C | | | | | | | | | | | | | | | | |
| 1200 | 5050 | 0 | | 7.6 | 0.1 | T | -- | -- | -- | 0.01 | T | -- | | | | | | | | |
| 10/04/83 | 5050 | | | 15.3C | | | | | | | | | | | | | | | | |
| 1210 | 5050 | 108 | | 7.1 | 0.2 | T | -- | -- | -- | 0.01 | T | -- | | | | | | | | |

| DATE TIME | SAMP LAB | DEPTH | DISCH EC | TEMP PH | ALUMINUM | CONSTITUENTS ANTIMONY BERYLLIUM | IN MILLIGRAMS BISMUTH COBALT | PER LITER GALLIUM GERMANIUM | LITHIUM MOLYBDENUM | NICKEL STRONTIUM | TITANEUM VANADIUM | REM |
|------------------|-------------|-------|-------------|------------|---------------------------------|---------------------------------------|------------------------------------|-----------------------------------|-----------------------|---------------------|----------------------|-----|
| A2 L 044.3 227.3 | | | | | SHASTA LK A LITTLE SQUAW INLET | | | | | CONTINUED | | |
| 12/05/83 | 5050 | | | 12.2C | | | | | | | | |
| 1400 | 5050 | 0 | 105 | 7.3 | 0.0 | T | -- | -- | -- | 0.00 | T | -- |
| 12/05/83 | 5050 | | | 12.0C | | | | | | | | |
| 1410 | 5050 | 105 | 102 | 7.3 | 0.1 | T | -- | -- | -- | 0.00 | T | -- |
| 02/29/84 | 5050 | | | 9.2C | | | | | | | | |
| 1300 | 5050 | 0 | 95 | 7.4 | 0.2 | T | -- | -- | -- | 0.00 | T | -- |
| 02/29/84 | 5050 | | | 8.0C | | | | | | | | |
| 1300 | 5050 | 115 | 96 | 7.2 | 0.1 | T | -- | -- | -- | 0.00 | T | -- |
| 05/09/84 | 5050 | | | 8.9C | | | | | | | | |
| 1100 | 5050 | 131 | 101 | 7.2 | 0.1 | T | -- | -- | -- | 0.01 | T | -- |
| 05/09/84 | 5050 | | | 15.0C | | | | | | | | |
| 1100 | 5050 | 0 | 97 | 7.5 | 0.1 | T | -- | -- | -- | 0.02 | T | -- |
| 07/12/84 | 5050 | | | 11.0C | | | | | | | | |
| 0800 | 5050 | 115 | 104 | 7.2 | 0.1 | T | -- | -- | -- | 0.00 | T | -- |
| 07/12/84 | 5050 | | | 26.0C | | | | | | | | |
| 0800 | 5050 | 0 | 103 | 7.6 | 0.1 | T | -- | -- | -- | 0.00 | T | -- |
| 09/10/84 | 5050 | | | 17.0C | | | | | | | | |
| 0900 | 5050 | 88 | 116 | 7.0 | 0.2 | T | -- | -- | -- | 0.00 | T | -- |
| 09/10/84 | 5050 | | | 23.5C | | | | | | | | |
| 0900 | 5050 | 0 | 115 | 7.6 | 0.1 | T | -- | -- | -- | 0.00 | T | -- |
| A2 L 044.9 212.1 | | | | | SHASTA LK PIT R AB JONES VALLEY | | | | | | | |
| 05/16/83 | 5050 | | | 15.4C | | | | | | | | |
| 1120 | 5050 | 0 | | 7.5 | 0.3 | T | -- | -- | -- | 0.00 | T | -- |
| 05/16/83 | 5050 | | | 7.2C | | | | | | | | |
| 1130 | 5050 | 279 | | 7.1 | 1.1 | T | -- | -- | -- | 0.00 | T | -- |
| 07/26/83 | 5050 | | | 23.9C | | | | | | | | |
| 0830 | 5050 | 0 | 98 | 8.0 | 0.2 | T | -- | -- | -- | 0.00 | T | -- |
| 07/26/83 | 5050 | | | 9.0C | | | | | | | | |
| 0840 | 5050 | 262 | 114 | 6.9 | 0.7 | T | -- | -- | -- | 0.00 | T | -- |
| 09/29/83 | 5050 | | | 20.8C | | | | | | | | |
| 1130 | 5050 | 0 | | 7.7 | 0.1 | T | -- | -- | -- | 0.00 | T | -- |
| 09/29/83 | 5050 | | | 12.2C | | | | | | | | |
| 1140 | 5050 | 230 | | 6.8 | 0.8 | T | -- | -- | -- | 0.01 | T | -- |

WATER SAMPLE ANALYSIS OF SURFACE WATER

| DATE TIME | SAMP LAB | DEPTH | DISCH EC | TEMP PH | ALUMINUM | CONSTITUENTS IN MILLIGRAMS PER LITER ANTIMONY BERYLLIUM | BISMUTH COBALT | GALLIUM GERMANIUM | LITHIUM MOLYBDENUM | NICKEL STRONTIUM | TITANIUM VANADIUM | REM |
|--|-------------|-------|-------------|------------|----------|---|-------------------|----------------------|-----------------------|---------------------|----------------------|-----|
| A2 L 044.9 212.1 SHASTA LK PIT R AB JONES VALLEY | | | | | | | | | | | | |
| CONTINUED | | | | | | | | | | | | |
| 12/19/83 | 5050 | | | 12.0C | | -- | -- | -- | -- | 0.00 | T | -- |
| 1230 | 5050 | 0 | | 7.3 | 0.0 | T | -- | -- | -- | -- | -- | -- |
| 12/19/83 | 5050 | | | 8.3C | | -- | -- | -- | -- | 0.00 | T | -- |
| 1240 | 5050 | 243 | | 7.3 | 1.1 | T | -- | -- | -- | -- | -- | -- |
| 02/27/84 | 5050 | | | 6.8C | | -- | -- | -- | -- | 0.00 | T | -- |
| 1200 | 5050 | 180 | 130 | 7.3 | 1.4 | T | -- | -- | -- | -- | -- | -- |
| 02/27/84 | 5050 | | | 10.0C | | -- | -- | -- | -- | 0.00 | T | -- |
| 1200 | 5050 | 0 | 107 | 7.5 | 0.0 | T | -- | -- | -- | -- | -- | -- |
| 05/07/84 | 5050 | | | 8.7C | | -- | -- | -- | -- | 0.01 | T | -- |
| 0830 | 5050 | 180 | 118 | 7.3 | 1.1 | T | -- | -- | -- | -- | -- | -- |
| 05/07/84 | 5050 | | | 14.5C | | -- | -- | -- | -- | 0.02 | T | -- |
| 0830 | 5050 | 0 | 99 | 7.7 | 0.1 | T | -- | -- | -- | -- | -- | -- |
| 07/10/84 | 5050 | | | 53.0F | | -- | -- | -- | -- | 0.00 | T | -- |
| 0830 | 5050 | 243 | 126 | 7.0 | 0.5 | T | -- | -- | -- | -- | -- | -- |
| 07/10/84 | 5050 | | | 26.8C | | -- | -- | -- | -- | 0.00 | T | -- |
| 0830 | 5050 | 0 | 108 | 7.7 | 0.1 | T | -- | -- | -- | -- | -- | -- |
| 09/11/84 | 5050 | | | 9.1C | | -- | -- | -- | -- | 0.01 | T | -- |
| 0815 | 5050 | 230 | 137 | 6.9 | 0.4 | T | -- | -- | -- | -- | -- | -- |
| 09/11/84 | 5050 | | | 23.6C | | -- | -- | -- | -- | 0.01 | T | -- |
| 0815 | 5050 | 0 | 118 | 7.8 | 0.0 | T | -- | -- | -- | -- | -- | -- |
| A2 L 045.4 225.5 SHASTA LK LITTLE BACKBONE C INLET | | | | | | | | | | | | |
| 05/13/83 | 5050 | | | 14.5C | | -- | -- | -- | -- | 0.01 | T | -- |
| 1300 | 5050 | 0 | | 7.4 | 0.2 | T | -- | -- | -- | -- | -- | -- |
| 05/13/83 | 5050 | | | 7.4C | | -- | -- | -- | -- | 0.01 | T | -- |
| 1310 | 5050 | 197 | | 7.2 | 0.6 | T | -- | -- | -- | -- | -- | -- |
| 07/27/83 | 5050 | | | 24.8C | | -- | -- | -- | -- | 0.28 | T | -- |
| 1200 | 5050 | 0 | 88 | 7.8 | 0.6 | T | -- | -- | -- | -- | -- | -- |
| 07/27/83 | 5050 | | | 10.0C | | -- | -- | -- | -- | 0.00 | T | -- |
| 1210 | 5050 | 177 | | 7.1 | 0.2 | T | -- | -- | -- | -- | -- | -- |
| 10/03/83 | 5050 | | | 19.8C | | -- | -- | -- | -- | 0.01 | T | -- |
| 0810 | 5050 | 0 | | 8.0 | 0.1 | T | -- | -- | -- | -- | -- | -- |
| 10/03/83 | 5050 | | | 13.1C | | -- | -- | -- | -- | 0.01 | T | -- |
| 0820 | 5050 | 157 | | 6.8 | 0.2 | T | -- | -- | -- | -- | -- | -- |

CONSTITUENTS IN MILLIGRAMS PER LITER

| DATE TIME | SAMP LAB | DEPTH | DISCH EC | TEMP PH | ALUMINUM | ANTIMONY BERYLLIUM | BISMUTH COBALT | GALLIUM GERMANIUM | LITHIUM MOLYBDENUM | NICKEL STRONTIUM | TITANIUM VANADIUM | REM |
|--|-------------|-------|-------------|------------|----------|-----------------------|-------------------|----------------------|-----------------------|---------------------|----------------------|-----|
| A2 L 045.4 225.5 SHASTA LK LITTLE BACKBONE C INLET | | | | | | | | | | | | |
| CONTINUED | | | | | | | | | | | | |
| 12/20/83 | 5050 | | | 12.0C | | -- | -- | -- | -- | 0.00 | T | -- |
| 0845 | 5050 | 0 | | 7.3 | 0.1 | T | -- | -- | -- | -- | -- | -- |
| 12/20/83 | 5050 | | | 10.2C | | -- | -- | -- | -- | 0.01 | T | -- |
| 0855 | 5050 | 180 | | 7.0 | 0.2 | T | -- | -- | -- | -- | -- | -- |
| 02/28/84 | 5050 | | | 7.9C | | -- | -- | -- | -- | 0.00 | T | -- |
| 1300 | 5050 | 148 | 95 | 7.2 | 0.0 | T | -- | -- | -- | -- | -- | -- |
| 02/28/84 | 5050 | | | 9.5C | | -- | -- | -- | -- | 0.00 | T | -- |
| 1300 | 5050 | 0 | 94 | 7.3 | 0.0 | T | -- | -- | -- | -- | -- | -- |
| 05/08/84 | 5050 | | | 8.7C | | -- | -- | -- | -- | 0.01 | T | -- |
| 1130 | 5050 | 138 | 99 | 7.3 | 0.0 | T | -- | -- | -- | -- | -- | -- |
| 05/08/84 | 5050 | | | 17.3C | | -- | -- | -- | -- | 0.01 | T | -- |
| 1130 | 5050 | 0 | 93 | 7.6 | 0.1 | T | -- | -- | -- | -- | -- | -- |
| 07/11/84 | 5050 | | | 10.4C | | -- | -- | -- | -- | 0.00 | T | -- |
| 0800 | 5050 | 148 | 108 | 7.2 | 0.1 | T | -- | -- | -- | -- | -- | -- |
| 07/11/84 | 5050 | | | 25.7C | | -- | -- | -- | -- | 0.00 | T | -- |
| 0800 | 5050 | 0 | 103 | 7.7 | 0.1 | T | -- | -- | -- | -- | -- | -- |
| 09/13/84 | 5050 | | | 16.1C | | -- | -- | -- | -- | 0.00 | T | -- |
| 0830 | 5050 | 98 | 121 | 7.0 | 0.1 | T | -- | -- | -- | -- | -- | -- |
| 09/13/84 | 5050 | | | 22.9C | | -- | -- | -- | -- | 0.00 | T | -- |
| 0830 | 5050 | 0 | 116 | 7.5 | 0.0 | T | -- | -- | -- | -- | -- | -- |
| A2 L 046.4 212.9 SHASTA LK SQUAW C BL ZINC C | | | | | | | | | | | | |
| 05/13/83 | 5050 | | | 14.0C | | -- | -- | -- | -- | 0.00 | T | -- |
| 1045 | 5050 | 0 | | 7.4 | 0.3 | T | -- | -- | -- | -- | -- | -- |
| 05/13/83 | 5050 | | | 7.6C | | -- | -- | -- | -- | 0.00 | T | -- |
| 1055 | 5050 | 197 | | 7.2 | 0.8 | T | -- | -- | -- | -- | -- | -- |
| 07/26/83 | 5050 | | | 24.3C | | -- | -- | -- | -- | 0.00 | T | -- |
| 1145 | 5050 | 0 | 100 | 8.1 | 0.3 | T | -- | -- | -- | -- | -- | -- |
| 07/26/83 | 5050 | | | 10.2C | | -- | -- | -- | -- | 0.00 | T | -- |
| 1155 | 5050 | 171 | 110 | 7.2 | 0.5 | T | -- | -- | -- | -- | -- | -- |
| 09/29/83 | 5050 | | | 20.8C | | -- | -- | -- | -- | 0.00 | T | -- |
| 0830 | 5050 | 0 | | 7.7 | 0.1 | T | -- | -- | -- | -- | -- | -- |
| 09/29/83 | 5050 | | | 12.2C | | -- | -- | -- | -- | 0.01 | T | -- |
| 0840 | 5050 | 213 | | 6.9 | 0.4 | T | -- | -- | -- | -- | -- | -- |

| DATE TIME | SAMP LAB | DEPTH | DISCH EC | TEMP PH | ALUMINUM | CONSTITUENTS IN MILLIGRAMS PER LITER ANTIMONY BERYLLIUM | BISMUTH COBALT | GALLIUM GERMANIUM | LITHIUM MOLYBDENUM | NICKEL STRONTIUM | TITANIUM VANADIUM | REM |
|--------------|-------------|-------|-------------|------------|----------|---|-------------------|----------------------|-----------------------|---------------------|----------------------|-----|
|--------------|-------------|-------|-------------|------------|----------|---|-------------------|----------------------|-----------------------|---------------------|----------------------|-----|

A2 L 046.4 212.9 SHASTA LK SQUAM C BL ZINC C

CONTINUED

| | | | | | | | | | | | | |
|----------|------|-----|-----|-------|-----|----|----|----|----|------|----|----|
| 12/19/83 | 5050 | | | 12.1C | | -- | -- | -- | -- | 0.00 | T | -- |
| 0945 | 5050 | 0 | | 7.3 | 0.1 | T | -- | -- | -- | -- | -- | -- |
| 12/19/83 | 5050 | | | 8.5C | | -- | -- | -- | -- | 0.00 | T | -- |
| 0955 | 5050 | 190 | | 7.2 | 0.4 | T | -- | -- | -- | -- | -- | -- |
| 02/27/84 | 5050 | | | 6.9C | | -- | -- | -- | -- | 0.00 | T | -- |
| 1000 | 5050 | 213 | 126 | 7.3 | 0.0 | T | -- | -- | -- | -- | -- | -- |
| 02/27/84 | 5050 | | | 9.2C | | -- | -- | -- | -- | 0.00 | T | -- |
| 1000 | 5050 | 0 | 108 | 7.6 | 0.1 | T | -- | -- | -- | -- | -- | -- |
| 05/07/84 | 5050 | | | 7.9C | | -- | -- | -- | -- | 0.01 | T | -- |
| 1100 | 5050 | 230 | 122 | 7.3 | 0.2 | T | -- | -- | -- | -- | -- | -- |
| 05/07/84 | 5050 | | | 15.0C | | -- | -- | -- | -- | 0.00 | T | -- |
| 1100 | 5050 | 0 | 100 | 7.6 | 0.1 | T | -- | -- | -- | -- | -- | -- |
| 07/10/84 | 5050 | | | | | -- | -- | -- | -- | 0.00 | T | -- |
| 1130 | 5050 | 220 | 120 | 7.2 | 0.1 | T | -- | -- | -- | -- | -- | -- |
| 07/10/84 | 5050 | | | 27.0C | | -- | -- | -- | -- | 0.00 | T | -- |
| 1130 | 5050 | 0 | 109 | 7.6 | 0.1 | T | -- | -- | -- | -- | -- | -- |
| 09/11/84 | 5050 | | | 9.3C | | -- | -- | -- | -- | 0.01 | T | -- |
| 1045 | 5050 | 236 | 136 | 7.0 | 0.2 | T | -- | -- | -- | -- | -- | -- |
| 09/11/84 | 5050 | | | 24.2C | | -- | -- | -- | -- | 0.00 | T | -- |
| 1045 | 5050 | 0 | 120 | 7.9 | 0.1 | T | -- | -- | -- | -- | -- | -- |

A2 L 048.4 217.6 SHASTA LK MCCLLOUD R ARM

A24A0

| | | | | | | | | | | | | |
|----------|------|-----|----|-------|-----|----|----|----|----|------|----|----|
| 05/12/83 | 5050 | | | 11.5C | | -- | -- | -- | -- | 0.00 | T | -- |
| 1015 | 5050 | 0 | | 8.0 | 0.2 | T | -- | -- | -- | -- | -- | -- |
| 05/12/83 | 5050 | | | 7.1C | | -- | -- | -- | -- | 0.00 | T | -- |
| 1025 | 5050 | 223 | | | 0.5 | T | -- | -- | -- | -- | -- | -- |
| 07/28/83 | 5050 | | | 23.9C | | -- | -- | -- | -- | 0.00 | T | -- |
| 0930 | 5050 | 0 | 98 | 8.0 | 0.1 | T | -- | -- | -- | -- | -- | -- |
| 07/28/83 | 5050 | | | 9.5C | | -- | -- | -- | -- | 0.00 | T | -- |
| 0940 | 5050 | 197 | 90 | 7.3 | 0.3 | T | -- | -- | -- | -- | -- | -- |
| 10/03/83 | 5050 | | | 19.8C | | -- | -- | -- | -- | 0.00 | T | -- |
| 1100 | 5050 | 0 | | 7.6 | 0.1 | T | -- | -- | -- | -- | -- | -- |
| 10/03/83 | 5050 | | | 8.6C | | -- | -- | -- | -- | 0.00 | T | -- |
| 1110 | 5050 | 279 | | 6.9 | 0.2 | T | -- | -- | -- | -- | -- | -- |

| DATE TIME | SAMP LAB | DEPTH | DISCH EC | TEMP PH | ALUMINUM | CONSTITUENTS IN MILLIGRAMS ANTIMONY BERYLLIUM | BISMUTH COBALT | PER LITER GALLIUM GERMANIUM | LITHIUM MOLYBDENUM | NICKEL STRONTIUM | TITANIUM VANADIUM | REM |
|---|-------------|-------|-------------|------------|-----------------|---|-------------------|-----------------------------------|-----------------------|---------------------|----------------------|-----|
| A2 L 048.4 217.6 SHASTA LK MCCLLOUD R ARM | | | | | A24A0 CONTINUED | | | | | | | |
| 12/20/83 | 5050 | | | 11.8C | | | | | | | | |
| 1130 | 5050 | 0 | | 7.3 | 0.0 | T | -- | -- | -- | 0.00 | T | -- |
| 12/20/83 | 5050 | | | 9.4C | | | | | | | | |
| 1140 | 5050 | 197 | | 7.2 | 0.3 | T | -- | -- | -- | 0.00 | T | -- |
| 02/28/84 | 5050 | | | 6.3C | | | | | | | | |
| 0930 | 5050 | 312 | 121 | 7.2 | 0.6 | T | -- | -- | -- | 0.00 | T | -- |
| 02/28/84 | 5050 | | | 8.2C | | | | | | | | |
| 0930 | 5050 | 0 | 103 | 7.3 | 0.1 | T | -- | -- | -- | 0.00 | T | -- |
| 05/08/84 | 5050 | | | 7.0C | | | | | | | | |
| 0900 | 5050 | 292 | 117 | 7.2 | 0.6 | T | -- | -- | -- | 0.00 | T | -- |
| 05/08/84 | 5050 | | | 14.6C | | | | | | | | |
| 0900 | 5050 | 0 | 98 | 7.7 | 0.1 | T | -- | -- | -- | 0.01 | T | -- |
| 07/11/84 | 5050 | | | 48.0F | | | | | | | | |
| 1000 | 5050 | 295 | 117 | 7.1 | 0.3 | T | -- | -- | -- | 0.00 | T | -- |
| 07/11/84 | 5050 | | | 26.0C | | | | | | | | |
| 1000 | 5050 | 0 | 106 | 7.6 | 0.1 | T | -- | -- | -- | 0.00 | T | -- |
| 09/13/84 | 5050 | | | 7.2C | | | | | | | | |
| 1015 | 5050 | 295 | 131 | 7.0 | 0.7 | T | -- | -- | -- | 0.00 | T | -- |
| 09/13/84 | 5050 | | | 22.8C | | | | | | | | |
| 1015 | 5050 | 0 | 116 | 7.5 | 0.1 | T | -- | -- | -- | 0.00 | T | -- |
| A2 L 048.5 222.8 SHASTA LK SACRAMENTO R ARM | | | | | A24A0 | | | | | | | |
| 05/16/83 | 5050 | | | 13.8C | | | | | | | | |
| 1330 | 5050 | 0 | | 7.4 | 0.2 | T | -- | -- | -- | 0.01 | T | -- |
| 05/16/83 | 5050 | | | 7.2 | | | | | | | | |
| 1340 | 5050 | 328 | | 7.2 | 0.8 | T | -- | -- | -- | 0.01 | T | -- |
| 07/27/83 | 5050 | | | 23.3C | | | | | | | | |
| 0840 | 5050 | 0 | 93 | 8.0 | 0.2 | T | -- | -- | -- | 0.00 | T | -- |
| 07/27/83 | 5050 | | | 7.9C | | | | | | | | |
| 0850 | 5050 | 312 | 73 | 7.0 | 0.2 | T | -- | -- | -- | 0.01 | T | -- |
| 10/04/83 | 5050 | | | 19.8C | | | | | | | | |
| 0830 | 5050 | 0 | | 7.5 | 0.1 | T | -- | -- | -- | 0.00 | T | -- |
| 10/04/83 | 5050 | | | 8.3C | | | | | | | | |
| 0840 | 5050 | 292 | | 6.9 | 0.2 | T | -- | -- | -- | 0.01 | T | -- |

CONCENTRATIONS OF MAJOR ELEMENT ANALYSES OF SURFACE WATER

| DATE TIME | SAMP LAB | DEPTH | DISCH EC | TEMP PH | ALUMINUM | CONSTITUENTS ANTIMONY BERYLLIUM | IN MILLIGRAMS BISMUTH COBALT | PER LITER GALLIUM GERMANIUM | LITHIUM MOLYBDENUM | NICKEL STRONTIUM | TITANIUM VANADIUM | REM |
|---|-------------|-------|--------------|------------|----------|---------------------------------------|------------------------------------|-----------------------------------|-----------------------|---------------------|----------------------|----------|
| * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * |
| A2 L 048.5 222.8 SHASTA LK SACRAMENTO R ARM | | | | | | A24A0 CONTINUED | | | | | | |
| 12/05/83 5050 1120 5050 | 0 | 103 | 12.8C 7.5 | 0.0 | T | -- | -- | -- | -- | 0.00 -- | T -- | -- -- |
| 12/05/83 5050 1130 5050 | 279 | 80 | 9.4C 6.8 | 0.2 | T | -- | -- | -- | -- | 0.01 -- | T -- | -- -- |
| 02/29/84 5050 0930 5050 | 315 | 118 | 6.4C 7.2 | 0.7 | T | -- | -- | -- | -- | 0.00 -- | T -- | -- -- |
| 02/29/84 5050 0930 5050 | 0 | 93 | 8.8C 7.4 | 0.1 | T | -- | -- | -- | -- | 0.00 -- | T -- | -- -- |
| 05/09/84 5050 0930 5050 | 308 | 104 | 6.6C 7.2 | 0.3 | T | -- | -- | -- | -- | 0.01 -- | T -- | -- -- |
| 05/09/84 5050 0930 5050 | 0 | 96 | 14.8C 7.6 | 0.0 | T | -- | -- | -- | -- | 0.01 -- | T -- | -- -- |
| 07/12/84 5050 1000 5050 | 279 | 103 | 48.0F 7.1 | 0.6 | T | -- | -- | -- | -- | 0.01 -- | T -- | -- -- |
| 07/12/84 5050 1000 5050 | 0 | 101 | 25.4C 7.6 | 0.1 | T | -- | -- | -- | -- | 0.00 -- | T -- | -- -- |
| 09/10/84 5050 1100 5050 | 295 | 119 | 7.0C 6.9 | 0.5 | T | -- | -- | -- | -- | 0.01 -- | T -- | -- -- |
| 09/10/84 5050 1100 5050 | 0 | 116 | 23.9C 7.6 | 0.1 | T | -- | -- | -- | -- | 0.00 -- | T -- | -- -- |
| A2 1010.00 SACRAMENTO R A KESWICK | | | | | | A19C0 | | | | | | |
| 04/29/83 5050 0940 5050 | | 82 | 8.9C 7.0 | 0.8 | T | -- | -- | -- | -- | 0.01 -- | T -- | -- -- |
| 09/21/83 5050 1310 5050 | | 91 | 11.9C 7.1 | 0.2 | T | -- | -- | -- | -- | 0.01 -- | T -- | -- -- |
| 11/30/83 5050 1100 5050 | | 110 | 12.2C 7.1 | 0.2 | T | -- | -- | -- | -- | 0.00 -- | T -- | -- -- |
| 02/23/84 5050 1405 5050 | | 103 | 47.0F 7.2 | -- | -- | -- | -- | -- | -- | 0.00 -- | T -- | -- -- |
| 05/02/84 5050 0915 5050 | 0 | 120 | 47.0F 7.3 | -- | -- | -- | -- | -- | -- | 0.00 -- | T -- | -- -- |

1. WATER

| DATE TIME | SAMP LAB | DEPTH | DISCH EC | TEMP PH | ALUMINUM | CONSTITUENTS ANTIMONY BERYLLIUM | IN MILLIGRAMS BISMUTH COBALT | PER LITER GALLIUM GERMANIUM | LITHIUM MOLYBDENUM | NICKEL STRONTIUM | TITANIUM VANADIUM | REM |
|--------------|-------------|-------|-------------------------|------------|----------|---------------------------------------|------------------------------------|-----------------------------------|-----------------------|---------------------|----------------------|-----|
| A2 1040.00 | | | SACRAMENTO R A MATHESON | | | | A19C0 | | | | | |
| 04/29/83 | 5050 | | | 9.4C | | -- | -- | -- | -- | 0.01 | T | -- |
| 0820 | 5050 | | 96 | 7.2 | 1.1 | T | -- | -- | -- | -- | -- | -- |
| 09/21/83 | 5050 | | | 12.5C | | -- | -- | -- | -- | 0.01 | T | -- |
| 1340 | 5050 | | 97 | 7.3 | 0.2 | T | -- | -- | -- | -- | -- | -- |
| 11/30/83 | 5050 | | | 12.2C | | -- | -- | -- | -- | 0.00 | T | -- |
| 0930 | 5050 | | 118 | 7.1 | 0.1 | T | -- | -- | -- | -- | -- | -- |
| 02/23/84 | 5050 | | | 49.0F | | -- | -- | -- | -- | 0.00 | T | -- |
| 1515 | 5050 | | 105 | 7.3 | -- | -- | -- | -- | -- | -- | -- | -- |
| 05/02/84 | 5050 | | | 48.0F | | -- | -- | -- | -- | 0.00 | T | -- |
| 0815 | 5050 | 0 | 118 | 7.3 | -- | -- | -- | -- | -- | -- | -- | -- |
| A2 1300.00 | | | SACRAMENTO R A DELTA | | | | A20B0 | | | | | |
| 04/27/83 | 5050 | | | 7.8C | | -- | -- | -- | -- | 0.02 | T | -- |
| 1630 | 5050 | | 77 | 7.2 | 0.2 | T | -- | -- | -- | -- | -- | -- |
| 09/19/83 | 5050 | | | 16.7C | | -- | -- | -- | -- | 0.01 | T | -- |
| 1545 | 5050 | | 128 | 8.3 | 0.1 | T | -- | -- | -- | -- | -- | -- |
| 11/29/83 | 5050 | | | 6.1C | | -- | -- | -- | -- | 0.01 | T | -- |
| 1600 | 5050 | | 102 | 7.3 | 0.0 | T | -- | -- | -- | -- | -- | -- |
| 02/24/84 | 5050 | | | 46.0F | | -- | -- | -- | -- | 0.01 | T | -- |
| 1505 | 5050 | | 90 | 7.4 | -- | -- | -- | -- | -- | -- | -- | -- |
| 05/03/84 | 5050 | | | 51.0F | | -- | -- | -- | -- | 0.01 | T | -- |
| 1315 | 5050 | 0 | 90 | 7.4 | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/20/84 | 5050 | | | 74.0F | | -- | -- | -- | -- | 0.02 | T | -- |
| 1400 | 5050 | | 135 | 8.3 | -- | -- | -- | -- | -- | -- | -- | -- |
| 09/19/84 | 5050 | | | 72.0C | | -- | -- | -- | -- | 0.01 | T | -- |
| 1330 | 5050 | | 143 | 8.3 | -- | -- | -- | -- | -- | -- | -- | -- |
| A2 2150.00 | | | MCCLLOUD R AB SHASTA LK | | | | A22A1 | | | | | |
| 04/27/83 | 5050 | | | 8.3C | | -- | -- | -- | -- | 0.01 | T | -- |
| 1430 | 5050 | | 90 | 7.3 | 0.1 | T | -- | -- | -- | -- | -- | -- |
| 09/19/83 | 5050 | | | 14.4C | | -- | -- | -- | -- | 0.00 | T | -- |
| 1330 | 5050 | | 100 | 8.1 | 0.0 | T | -- | -- | -- | -- | -- | -- |
| 11/29/83 | 5050 | | | 6.1C | | -- | -- | -- | -- | 0.00 | T | -- |
| 1400 | 5050 | | 110 | 7.3 | 0.0 | T | -- | -- | -- | -- | -- | -- |

| CONSTITUENTS IN MILLIGRAMS PER LITER | | | | | | | | | | CONTROL WATER | | | | | | | | | |
|--|-------|-------|-------|----------|-------|-----------|---------|-----------|------------|---------------|----------|---------|-------|--|--|--|--|--|--|
| DATE | SAMP | DISCH | TEMP | ALUMINUM | | ANTIMONY | BISMUTH | GALLIUM | LITHIUM | NICKEL | TITANIUM | REMARKS | | | | | | | |
| TIME | LAB | EC | PH | | | BERYLLIUM | COBALT | GERMANIUM | MOLYBDENUM | STRONTIUM | VANADIUM | | | | | | | | |
| * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | * * * | | | | | | |
| A2 2150.00 MCCLLOUD R AB SHASTA LK A22A1 CONTINUED | | | | | | | | | | | | | | | | | | | |
| 02/24/84 | 5050 | | 45.0F | | | -- | -- | -- | -- | 0.00 | T | -- | | | | | | | |
| 1320 | 5050 | | 7.6 | -- | | -- | -- | -- | -- | -- | | -- | | | | | | | |
| 05/03/84 | 5050 | | 52.0F | | | -- | -- | -- | -- | 0.00 | T | -- | | | | | | | |
| 1120 | 5050 | 0 | 7.8 | -- | | -- | -- | -- | -- | -- | | -- | | | | | | | |
| 07/20/84 | 5050 | | 64.0F | | | -- | -- | -- | -- | 0.02 | T | -- | | | | | | | |
| 1230 | 5050 | | 8.1 | -- | | -- | -- | -- | -- | -- | | -- | | | | | | | |
| 09/19/84 | 5050 | | 58.0F | | | -- | -- | -- | -- | 0.00 | T | -- | | | | | | | |
| 1200 | 5050 | | 7.8 | -- | | -- | -- | -- | -- | -- | | -- | | | | | | | |
| A2 4100.00 SQUAW C AB SHASTA LK A22B0 | | | | | | | | | | | | | | | | | | | |
| 04/27/83 | 5050 | | 8.3C | | | -- | -- | -- | -- | 0.01 | T | -- | | | | | | | |
| 1230 | 5050 | | 7.4 | 0.1 | T | -- | -- | -- | -- | -- | | -- | | | | | | | |
| 09/19/83 | 5050 | | 16.1C | | | -- | -- | -- | -- | 0.01 | T | -- | | | | | | | |
| 1100 | 5050 | | 7.9 | 0.0 | T | -- | -- | -- | -- | -- | | -- | | | | | | | |
| 11/29/83 | 5050 | | 6.7C | | | -- | -- | -- | -- | 0.00 | T | -- | | | | | | | |
| 1200 | 5050 | | 7.5 | 0.0 | T | -- | -- | -- | -- | -- | | -- | | | | | | | |
| 02/24/84 | 5050 | | 45.0F | | | -- | -- | -- | -- | 0.00 | T | -- | | | | | | | |
| 1125 | 5050 | | 7.5 | -- | | -- | -- | -- | -- | -- | | -- | | | | | | | |
| 05/03/84 | 5050 | | 50.0F | | | -- | -- | -- | -- | 0.01 | T | -- | | | | | | | |
| 0945 | 5050 | 0 | 7.4 | -- | | -- | -- | -- | -- | -- | | -- | | | | | | | |
| 07/20/84 | 5050 | | 70.0F | | | -- | -- | -- | -- | 0.03 | T | -- | | | | | | | |
| 1100 | 5050 | | 8.0 | -- | | -- | -- | -- | -- | -- | | -- | | | | | | | |
| 09/19/84 | 5050 | | 62.0F | | | -- | -- | -- | -- | 0.01 | T | -- | | | | | | | |
| 1030 | 5050 | | 7.6 | -- | | -- | -- | -- | -- | -- | | -- | | | | | | | |

ATTACHMENT F

TEMPERATURE RECORDER DATA FROM THE SACRAMENTO RIVER

Daily minimum and maximum temperatures for Sacramento River at Hamilton City, 1983

| Day | May | | June | | July | | August | | September | | October | | November | | December | |
|-----|------|------|---------|------|------|------|--------|------|-----------|------|---------|------|----------|------|----------|------|
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | | | No Data | | 63 | 59 | 62 | 60 | 57 | 55 | 57 | 56 | 58 | 57 | 52 | 51 |
| 2 | | | " | | 62 | 58 | 62 | 60 | 59 | 56 | 57 | 56 | 58 | 57 | 52 | 52 |
| 3 | | | 60 | 58 | 64 | 58 | 62 | 60 | 60 | 57 | 58 | 56 | 57 | 56 | 52 | 50 |
| 4 | | | 61 | 57 | 65 | 60 | 62 | 60 | 60 | 58 | 58 | 56 | 57 | 56 | 50 | 48 |
| 5 | | | 62 | 58 | 66 | 61 | 61 | 59 | 60 | 58 | 58 | 57 | 57 | 56 | 48 | 48 |
| 6 | | | 62 | 58 | 65 | 61 | 61 | 59 | 60 | 58 | 58 | 57 | 56 | 55 | 50 | 48 |
| 7 | | | 62 | 58 | 64 | 60 | 61 | 60 | 60 | 60 | 58 | 57 | 55 | 53 | 50 | 50 |
| 8 | | | 62 | 58 | 63 | 59 | 62 | 60 | 62 | 60 | 58 | 57 | 53 | 52 | 50 | 50 |
| 9 | | | 62 | 58 | 62 | 58 | 62 | 60 | 61 | 60 | 58 | 58 | 52 | 51 | 50 | 50 |
| 10 | 53 | 52 | 62 | 58 | 64 | 59 | 62 | 60 | 61 | 60 | 58 | 56 | 51 | 51 | 50 | 50 |
| 11 | 54 | 50 | 58 | 55 | 64 | 60 | 61 | 59 | 62 | 60 | 58 | 57 | 52 | 51 | 50 | 49 |
| 12 | 54 | 51 | 60 | 56 | 64 | 60 | 60 | 59 | 63 | 61 | 57 | 57 | 53 | 52 | 48 | 48 |
| 13 | 54 | 51 | 62 | 57 | 66 | 60 | 60 | 59 | 64 | 62 | 57 | 56 | 52 | 52 | 50 | 48 |
| 14 | | | 62 | 58 | 64 | 62 | 60 | 59 | 64 | 62 | 56 | 56 | 52 | 51 | 50 | 50 |
| 15 | | | 62 | 58 | 62 | 59 | 62 | 60 | 64 | 62 | 56 | 55 | 52 | 51 | 50 | 50 |
| 16 | | | 64 | 58 | 63 | 58 | 62 | 60 | 63 | 62 | 56 | 55 | 52 | 52 | 50 | 50 |
| 17 | | | 66 | 60 | 60 | 58 | 62 | 59 | 62 | 61 | 56 | 55 | 52 | 52 | 50 | 50 |
| 18 | | | 65 | 60 | 60 | 58 | 62 | 58 | 62 | 61 | 56 | 55 | 52 | 50 | 50 | 50 |
| 19 | | | 63 | 58 | 60 | 57 | 62 | 58 | 62 | 61 | 56 | 55 | 51 | 50 | 50 | 49 |
| 20 | | | 64 | 60 | 60 | 57 | 60 | 56 | 60 | 61 | 57 | 56 | 51 | 50 | 49 | 48 |
| 21 | | | 63 | 60 | 60 | 58 | 60 | 57 | 60 | 59 | 58 | 56 | 50 | 48 | 48 | 48 |
| 22 | | | 64 | 60 | 61 | 58 | 60 | 57 | 60 | 59 | 58 | 56 | 50 | 48 | 48 | 48 |
| 23 | | | 64 | 60 | 61 | 58 | 60 | 57 | 60 | 58 | 58 | 56 | 50 | 49 | 48 | 46 |
| 24 | | | 64 | 60 | 61 | 58 | 60 | 57 | 60 | 58 | 58 | 56 | 50 | 48 | 46 | 42 |
| 25 | | | 64 | 60 | 61 | 58 | 60 | 58 | 60 | 60 | 58 | 56 | 48 | 46 | 45 | 41 |
| 26 | | | 64 | 60 | 61 | 59 | 60 | 57 | 60 | 60 | 58 | 56 | 48 | 47 | 46 | 45 |
| 27 | | | 64 | 60 | 61 | 59 | 60 | 57 | 60 | 58 | 56 | 56 | 50 | 48 | 47 | 46 |
| 28 | | | 63 | 60 | 62 | 59 | 60 | 57 | 58 | 58 | 57 | 56 | 50 | 48 | 47 | 47 |
| 29 | | | 63 | 60 | 62 | 60 | 60 | 57 | 58 | 57 | 55 | 55 | 50 | 48 | 47 | 47 |
| 30 | | | 64 | 60 | 62 | 60 | 60 | 58 | 58 | 57 | 56 | 55 | 50 | 50 | 48 | 47 |
| 31 | | | | | 62 | 60 | 60 | 57 | | | 58 | 56 | 51 | 50 | 48 | 48 |

Daily minimum and maximum temperatures for Sacramento River at Hamilton City, 1984

[illegible]

Daily minimum and maximum temperatures for Sacramento River at Tehama, 1983

| Day | May | | June | | July | | August | | September | | October | | November | | December | |
|-----|------|------|------|------|------|------|--------|------|-----------|------|---------|------|----------|------|----------|------|
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | | | 56 | 54 | 57 | 55 | 61 | 58 | 57 | 54 | 56 | 55 | 58 | 58 | 52 | 52 |
| 2 | | | 56 | 55 | 58 | 55 | 61 | 58 | 58 | 55 | 57 | 56 | 58 | 57 | 52 | 52 |
| 3 | | | 57 | 54 | 59 | 56 | 61 | 58 | 59 | 56 | 58 | 56 | 58 | 57 | 52 | 58 |
| 4 | | | 58 | 56 | 60 | 57 | 61 | 58 | 59 | 56 | 58 | 56 | 57 | 57 | 49 | 48 |
| 5 | | | 58 | 56 | 61 | 58 | 60 | 58 | 59 | 56 | 58 | 56 | 56 | 56 | 50 | 49 |
| 6 | | | 59 | 57 | 60 | 57 | 60 | 58 | 60 | 57 | 58 | 56 | 56 | 56 | 50 | 50 |
| 7 | | | 59 | 57 | 59 | 56 | 61 | 58 | 61 | 59 | 58 | 56 | 56 | 54 | 50 | 50 |
| 8 | | | 58 | 56 | 58 | 56 | 61 | 58 | 62 | 58 | 58 | 56 | 54 | 54 | 50 | 50 |
| 9 | | | 59 | 56 | 58 | 56 | 61 | 58 | 62 | 58 | 58 | 56 | 54 | 53 | 50 | 50 |
| 10 | 51 | 50 | 57 | 54 | 59 | 56 | 61 | 58 | 62 | 58 | 58 | 56 | 54 | 53 | 50 | 50 |
| 11 | 52 | 50 | 56 | 53 | 60 | 56 | 61 | 58 | 62 | 58 | 58 | 56 | 54 | 53 | 50 | 50 |
| 12 | 52 | 50 | 57 | 54 | 60 | 57 | 60 | 58 | 62 | 59 | 58 | 56 | 54 | 53 | | |
| 13 | 53 | 51 | 58 | 56 | 60 | 57 | 60 | 58 | 62 | 60 | 58 | 56 | 54 | 54 | | |
| 14 | 54 | 52 | 58 | 55 | 61 | 58 | 60 | 58 | 62 | 60 | 58 | 56 | 54 | 54 | | |
| 15 | 55 | 52 | 58 | 56 | 61 | 58 | 61 | 58 | 62 | 60 | 56 | 54 | 54 | 52 | | |
| 16 | 58 | 53 | 60 | 57 | 60 | 58 | 61 | 58 | 62 | 59 | 56 | 54 | 54 | 54 | | |
| 17 | 60 | 54 | 60 | 57 | 60 | 57 | 60 | 58 | 62 | 59 | 56 | 54 | 55 | 54 | | |
| 18 | 61 | 56 | 58 | 56 | 60 | 56 | 60 | 57 | 61 | 58 | 56 | 54 | 55 | 53 | | |
| 19 | 58 | 55 | 59 | 56 | 58 | 56 | 59 | 56 | 61 | 58 | 57 | 55 | 53 | 53 | | |
| 20 | 59 | 56 | 60 | 56 | 60 | 56 | 58 | 56 | 60 | 58 | 58 | 56 | 53 | 52 | | |
| 21 | 59 | 55 | 59 | 56 | 60 | 55 | 58 | 56 | 59 | 57 | 58 | 56 | 53 | 51 | | |
| 22 | 59 | 56 | 60 | 56 | 61 | 58 | 59 | 56 | 58 | 57 | 58 | 56 | 52 | 52 | | |
| 23 | 60 | 56 | 59 | 57 | 61 | 58 | 59 | 56 | 59 | 57 | 58 | 57 | 52 | 52 | | |
| 24 | 60 | 56 | 60 | 57 | 61 | 58 | 60 | 56 | 60 | 58 | 58 | 57 | 52 | 50 | | |
| 25 | 58 | 56 | 60 | 57 | 61 | 58 | 59 | 56 | 60 | 58 | 58 | 56 | 50 | 49 | | |
| 26 | 58 | 56 | 60 | 57 | 60 | 58 | 59 | 56 | 60 | 57 | 58 | 56 | 51 | 50 | | |
| 27 | 58 | 56 | 60 | 57 | 60 | 58 | 58 | 56 | 59 | 57 | 58 | 56 | 52 | 52 | | |
| 28 | 58 | 56 | 59 | 56 | 61 | 58 | 58 | 56 | 58 | 56 | 57 | 56 | 52 | 51 | | |
| 29 | 57 | 56 | 59 | 56 | 61 | 58 | 59 | 56 | 58 | 56 | 56 | 56 | 52 | 52 | | |
| 30 | 57 | 55 | 60 | 56 | 61 | 58 | 59 | 56 | 57 | 56 | 57 | 56 | 52 | 52 | | |
| 31 | 56 | 55 | | | 61 | 58 | 55 | 54 | | | 58 | 57 | | | | |

[illegible]

Daily minimum and maximum temperatures for Sacramento River below Red Bluff Diversion Dam, 1983

| Day | May | | June | | July | | August | | September | | October | | November | | December | |
|-----|------|------|------|------|------|------|--------|------|-----------|------|---------|------|----------|------|----------|------|
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | | | 57 | 54 | 57 | 55 | 58 | 56 | 57 | 55 | 56 | 55 | 58 | 57 | 54 | 54 |
| 2 | | | 56 | 54 | 56 | 54 | 58 | 56 | 58 | 56 | 56 | 56 | 58 | 57 | 54 | 54 |
| 3 | | | 56 | 54 | 57 | 55 | 58 | 56 | 58 | 57 | 56 | 56 | 58 | 57 | 54 | 53 |
| 4 | | | 56 | 54 | 58 | 56 | 58 | 56 | 58 | 57 | 56 | 56 | 57 | 56 | 54 | 50 |
| 5 | | | 57 | 55 | 58 | 56 | 58 | 56 | 58 | 56 | 57 | 56 | 57 | 56 | 52 | 50 |
| 6 | | | 57 | 55 | 59 | 57 | 58 | 56 | 58 | 57 | 57 | 56 | 56 | 55 | 52 | 50 |
| 7 | | | 56 | 54 | 58 | 56 | 58 | 56 | 60 | 58 | 57 | 56 | 55 | 54 | 52 | 52 |
| 8 | | | 57 | 54 | 56 | 55 | 58 | 56 | 50 | 59 | 57 | 56 | 56 | 54 | 52 | 51 |
| 9 | 51 | 51 | 57 | 55 | 56 | 55 | 58 | 57 | 60 | 59 | 56 | 56 | 56 | 55 | 52 | 51 |
| 10 | 52 | 49 | 57 | 54 | 57 | 55 | 58 | 56 | 60 | 58 | 57 | 56 | 56 | 55 | 52 | 52 |
| 11 | 53 | 51 | 56 | 53 | 58 | 55 | 58 | 56 | 61 | 59 | 57 | 56 | 56 | 55 | 52 | 52 |
| 12 | 53 | 50 | 56 | 54 | 58 | 56 | 58 | 56 | 61 | 59 | 57 | 56 | 56 | 56 | 52 | 52 |
| 13 | 53 | 51 | 56 | 54 | 58 | 56 | 58 | 56 | 61 | 60 | 57 | 56 | 56 | 56 | 52 | 52 |
| 14 | 53 | 51 | 56 | 54 | 58 | 57 | 57 | 56 | 61 | 60 | 59 | 56 | 56 | 56 | 52 | 51 |
| 15 | 53 | 51 | 56 | 54 | 57 | 56 | 58 | 57 | 61 | 60 | 56 | 56 | 56 | 56 | 52 | 51 |
| 16 | 55 | 53 | 57 | 55 | 58 | 56 | 58 | 57 | 61 | 60 | 56 | 56 | 56 | 56 | 53 | 52 |
| 17 | 56 | 55 | 58 | 56 | 58 | 56 | 58 | 57 | 60 | 59 | 56 | 56 | 56 | 56 | 53 | 53 |
| 18 | 59 | 55 | 58 | 56 | 57 | 56 | 58 | 57 | 60 | 59 | 57 | 56 | 56 | 56 | 52 | 52 |
| 19 | 59 | 57 | 57 | 56 | 56 | 55 | 58 | 56 | 60 | 59 | 57 | 56 | 56 | 55 | 52 | 51 |
| 20 | 57 | 56 | 57 | 56 | 57 | 56 | 58 | 55 | 59 | 58 | 57 | 56 | 56 | 55 | 51 | 51 |
| 21 | 58 | 56 | 57 | 55 | 58 | 56 | 58 | 56 | 58 | 57 | 58 | 56 | 56 | 55 | 51 | 50 |
| 22 | 58 | 56 | 57 | 55 | 58 | 56 | 58 | 57 | 57 | 56 | 59 | 57 | 56 | 54 | 50 | 49 |
| 23 | 58 | 56 | 57 | 55 | 58 | 56 | 58 | 57 | 59 | 56 | 59 | 58 | 54 | 52 | 49 | 42 |
| 24 | 58 | 56 | 57 | 56 | 58 | 56 | 58 | 57 | 58 | 58 | 58 | 57 | 54 | 52 | 45 | 42 |
| 25 | 58 | 56 | 57 | 56 | 58 | 56 | 58 | 56 | 58 | 58 | 58 | 56 | 55 | 54 | 48 | 45 |
| 26 | 57 | 55 | 57 | 56 | 58 | 56 | 58 | 57 | 58 | 57 | 57 | 56 | 56 | 54 | 48 | 48 |
| 27 | 57 | 55 | 57 | 56 | 58 | 56 | 58 | 57 | 58 | 56 | 57 | 56 | 56 | 54 | 48 | 48 |
| 28 | 57 | 56 | 57 | 56 | 58 | 56 | 58 | 56 | 56 | 56 | 57 | 56 | 56 | 55 | 48 | 48 |
| 29 | 57 | 55 | 56 | 55 | 58 | 56 | 58 | 57 | 56 | 56 | 57 | 56 | 56 | 55 | 49 | 48 |
| 30 | 57 | 55 | 57 | 56 | 58 | 56 | 58 | 57 | 56 | 56 | 58 | 57 | 56 | 56 | 49 | 49 |
| 31 | 57 | 54 | | | 58 | 56 | 58 | 55 | | | 58 | 58 | | | 49 | 48 |

Daily minimum and maximum temperatures for Sacramento River below Red Bluff Diversion Dam, 1984

| Day | January | | February | | March | | April | | May | | June | |
|-----|---------|------|----------|------|---------|------|-------|------|------|------|------|------|
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | 48 | 48 | 50 | 50 | 49 | 48 | 47 | 48 | 50 | 49 | | |
| 2 | 49 | 48 | 50 | 48 | 50 | 48 | 48 | 48 | 50 | 48 | | |
| 3 | 49 | 49 | 48 | 48 | 50 | 49 | 49 | 48 | 50 | 49 | | |
| 4 | 50 | 49 | 50 | 48 | 49 | 49 | 50 | 49 | 51 | 50 | | |
| 5 | 49 | 49 | 50 | 49 | 50 | 48 | 50 | 49 | 52 | 51 | | |
| 6 | 49 | 48 | 50 | 49 | 50 | 48 | 50 | 49 | 51 | 51 | | |
| 7 | 48 | 48 | 50 | 49 | No data | | 50 | 49 | 52 | 51 | | |
| 8 | 48 | 48 | 49 | 49 | No data | | 50 | 49 | 52 | 51 | | |
| 9 | 48 | 48 | 49 | 49 | 50 | 49 | 50 | 48 | 53 | 52 | | |
| 10 | 48 | 47 | 49 | 49 | 50 | 50 | 48 | 48 | 53 | 52 | | |
| 11 | 48 | 47 | 49 | 48 | 51 | 50 | 48 | 48 | 52 | 52 | | |
| 12 | 47 | 46 | 48 | 48 | 51 | 50 | 49 | 48 | 53 | 52 | | |
| 13 | 47 | 47 | 48 | 47 | 51 | 50 | 50 | 49 | 53 | 52 | | |
| 14 | 47 | 47 | 47 | 46 | 51 | 50 | 50 | 50 | 53 | 53 | | |
| 15 | 48 | 48 | 46 | 46 | 50 | 50 | 52 | 50 | 53 | 52 | | |
| 16 | 48 | 48 | 46 | 45 | 50 | 48 | 52 | 51 | 52 | 51 | | |
| 17 | 48 | 48 | 46 | 46 | 48 | 46 | 52 | 51 | 52 | 51 | | |
| 18 | 48 | 47 | 46 | 46 | 47 | 46 | 51 | 50 | 53 | 52 | | |
| 19 | 47 | 46 | 46 | 46 | 48 | 47 | 51 | 48 | 53 | 52 | | |
| 20 | 47 | 47 | 47 | 46 | 49 | 48 | 50 | 49 | 54 | 53 | | |
| 21 | 47 | 47 | 47 | 47 | 49 | 49 | 51 | 50 | 54 | 53 | | |
| 22 | 48 | 48 | 47 | 47 | 49 | 48 | 52 | 50 | 54 | 53 | | |
| 23 | 49 | 48 | 47 | 46 | 48 | 48 | 53 | 52 | 54 | 53 | | |
| 24 | 49 | 49 | 46 | 46 | 49 | 48 | 53 | 52 | 54 | 53 | | |
| 25 | 49 | 49 | 48 | 46 | 48 | 48 | 52 | 51 | 54 | 53 | | |
| 26 | 49 | 49 | 48 | 48 | 48 | 48 | 51 | 49 | 54 | 53 | | |
| 27 | 50 | 49 | 49 | 48 | 49 | 48 | 50 | 49 | 55 | 54 | | |
| 28 | 50 | 50 | 49 | 48 | 48 | 47 | 50 | 49 | 55 | 54 | | |
| 29 | 50 | 50 | 49 | 48 | 48 | 48 | 50 | 50 | 55 | 54 | | |
| 30 | 50 | 50 | | | 48 | 47 | 50 | 50 | 55 | | | |
| 31 | 50 | 50 | | | 47 | 47 | | | | | | |

Daily minimum and maximum temperatures for Sacramento River at Elks Lodge, 1983

| Day | May | | June | | July | | August | | September | | October | | November | | December | |
|-----|------|------|------|------|------|------|--------|------|-----------|------|---------|------|----------|------|----------|------|
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | | | 55 | 53 | 52 | 51 | 56 | 55 | 54 | 52 | 56 | 55 | 57 | 57 | 53 | 52 |
| 2 | | | 52 | 52 | 54 | 51 | 56 | 55 | 54 | 54 | 56 | 55 | 57 | 56 | 52 | 52 |
| 3 | | | 53 | 52 | 54 | 51 | 56 | 55 | 56 | 54 | 56 | 56 | 56 | 56 | 52 | 50 |
| 4 | | | 55 | 53 | 55 | 53 | 56 | 55 | 56 | 54 | 56 | 56 | 56 | 56 | 50 | 48 |
| 5 | | | 55 | 53 | 54 | 53 | 56 | 55 | 56 | 55 | 56 | 56 | 56 | 56 | 50 | 49 |
| 6 | | | 55 | 53 | 54 | 52 | 56 | 56 | 56 | 55 | 57 | 56 | 56 | 55 | 50 | 50 |
| 7 | | | 54 | 53 | 54 | 53 | 57 | 56 | 57 | 56 | 57 | 56 | 55 | 54 | 50 | 49 |
| 8 | | | 55 | 53 | 53 | 51 | 57 | 56 | 58 | 56 | 57 | 56 | 54 | 54 | 50 | 50 |
| 9 | | | 55 | 53 | 54 | 52 | 56 | 55 | 57 | 56 | 56 | 56 | 54 | 52 | 50 | 50 |
| 10 | | | 55 | 51 | 54 | 52 | 56 | 55 | 58 | 56 | 56 | 56 | 52 | 52 | 50 | 50 |
| 11 | | | 53 | 51 | 54 | 53 | 56 | 55 | 58 | 56 | 56 | 56 | 52 | 52 | 50 | 50 |
| 12 | 52 | 51 | 53 | 52 | 55 | 53 | 56 | 55 | 59 | 57 | 57 | 56 | 53 | 52 | 50 | 49 |
| 13 | 51 | 49 | 54 | 53 | 55 | 54 | 56 | 55 | 59 | 57 | 57 | 56 | 54 | 53 | 50 | 48 |
| 14 | 52 | 50 | 54 | 53 | 56 | 55 | 56 | 55 | 59 | 57 | 57 | 56 | 54 | 52 | 50 | 48 |
| 15 | 53 | 51 | 54 | 53 | 56 | 54 | 56 | 55 | 59 | 57 | 56 | 56 | 53 | 52 | 50 | 50 |
| 16 | 54 | 53 | 54 | 53 | 56 | 54 | 56 | 55 | 58 | 57 | 56 | 55 | 53 | 53 | 50 | 49 |
| 17 | 57 | 54 | 54 | 53 | 55 | 54 | 56 | 55 | 58 | 56 | 56 | 55 | 53 | 53 | 50 | 48 |
| 18 | 56 | 55 | 53 | 52 | 54 | 53 | 56 | 55 | 58 | 56 | 56 | 55 | 53 | 52 | 49 | 48 |
| 19 | 56 | 54 | 53 | 52 | 55 | 54 | 56 | 54 | 58 | 56 | 56 | 56 | 52 | 52 | 49 | 48 |
| 20 | 56 | 54 | 53 | 52 | 56 | 54 | 55 | 53 | 57 | 56 | 56 | 55 | 52 | 51 | 48 | 48 |
| 21 | 56 | 55 | 54 | 52 | 56 | 55 | 55 | 54 | 59 | 56 | 56 | 56 | 52 | 51 | 48 | 48 |
| 22 | 56 | 55 | 54 | 52 | 56 | 54 | 55 | 54 | 59 | 56 | 56 | 56 | 52 | 51 | 48 | 48 |
| 23 | 56 | 56 | 54 | 52 | 56 | 54 | 55 | 54 | 59 | 56 | 57 | 56 | 52 | 51 | 48 | 48 |
| 24 | 57 | 55 | 53 | 52 | 56 | 54 | 55 | 54 | 58 | 57 | 58 | 56 | 50 | 50 | 48 | 47 |
| 25 | 57 | 55 | 54 | 52 | 56 | 55 | 55 | 54 | 59 | 58 | 59 | 56 | 50 | 48 | 47 | 41 |
| 26 | 57 | 55 | 54 | 52 | 56 | 54 | 55 | 54 | 58 | 57 | 57 | 56 | 50 | 50 | 44 | 41 |
| 27 | 57 | 55 | 54 | 52 | 56 | 55 | 55 | 54 | 59 | 58 | 56 | 56 | 52 | 50 | 46 | 44 |
| 28 | 56 | 55 | 53 | 52 | 56 | 55 | 55 | 54 | 57 | 56 | 56 | 56 | 52 | 51 | 46 | 46 |
| 29 | 57 | 55 | 53 | 52 | 56 | 55 | 56 | 54 | 57 | 56 | 56 | 56 | 51 | 51 | 46 | 46 |
| 30 | 56 | 55 | 53 | 52 | 56 | 55 | 55 | 54 | 56 | 56 | 56 | 56 | 52 | 51 | 46 | 46 |
| 31 | 55 | 53 | | | 56 | 55 | 56 | 52 | | | 57 | 56 | | | 46 | 46 |

Daily minimum and maximum temperatures for Sacramento River at Elks Lodge, 1984

| Day | January | | February | | March | | April | | May | | June | |
|-----|---------|------|----------|------|-------|------|-------|------|------|------|------|------|
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | 46 | 46 | 47 | 46 | 49 | 48 | 48 | 46 | 50 | 50 | 56 | 54 |
| 2 | 46 | 46 | 47 | 46 | 51 | 49 | 49 | 46 | - | 51 | 56 | 54 |
| 3 | 47 | 46 | 46 | 46 | 50 | 49 | 49 | 48 | 52 | 50 | 55 | 54 |
| 4 | 48 | 47 | | | 50 | 49 | 48 | 48 | 52 | 52 | 54 | 52 |
| 5 | 48 | 48 | | | 50 | 48 | 49 | 47 | 52 | 51 | 54 | 52 |
| 6 | 48 | 47 | | | 50 | 48 | 49 | 48 | 52 | 51 | 53 | 51 |
| 7 | 47 | 46 | | | 51 | 48 | 48 | 47 | 53 | 51 | 53 | 50 |
| 8 | 46 | 46 | | | 51 | 50 | 49 | 44 | 54 | 52 | 54 | 53 |
| 9 | 46 | 46 | | | 51 | 50 | 45 | 44 | 55 | 53 | 54 | 54 |
| 10 | 46 | 46 | | | 52 | 50 | 46 | 46 | 53 | 53 | 54 | 54 |
| 11 | 46 | 46 | | | 52 | 50 | 48 | 46 | 54 | 53 | 55 | 54 |
| 12 | 46 | 46 | | | 53 | 50 | 49 | 48 | 54 | 52 | 56 | 55 |
| 13 | 46 | 45 | | | 52 | 52 | 50 | 48 | 55 | 54 | 56 | 55 |
| 14 | 45 | 44 | | | 53 | 51 | 52 | 50 | 54 | 52 | 56 | 55 |
| 15 | 44 | 44 | | | 51 | 50 | 52 | 49 | 52 | 51 | 56 | 56 |
| 16 | 45 | 44 | | | 50 | 48 | 50 | 49 | 52 | 51 | 56 | 56 |
| 17 | 45 | 44 | | | 48 | 47 | 51 | 50 | 54 | 52 | 56 | 56 |
| 18 | 44 | 44 | | | 50 | 48 | 51 | 50 | 54 | 53 | 56 | 56 |
| 19 | 45 | 44 | | | 50 | 50 | 51 | 50 | 55 | 53 | 56 | 55 |
| 20 | 44 | 44 | | | 51 | 50 | 52 | 50 | 55 | 54 | 55 | 55 |
| 21 | 45 | 44 | | | 51 | 50 | 54 | 50 | 55 | 54 | 55 | 55 |
| 22 | 45 | 44 | | | 50 | 49 | 56 | 52 | 55 | 54 | | |
| 23 | 45 | 44 | 46 | 44 | 50 | 50 | 56 | 54 | 56 | 54 | | |
| 24 | 46 | 45 | 46 | 44 | 50 | 50 | 56 | 52 | 54 | 53 | | |
| 25 | 46 | 46 | 48 | 46 | 50 | 50 | 52 | 50 | 55 | 53 | | |
| 26 | 46 | 46 | 48 | 46 | 50 | 50 | 50 | 50 | 56 | 55 | | |
| 27 | 47 | 46 | 48 | 46 | 50 | 50 | 50 | 50 | 57 | 55 | | |
| 28 | 47 | 46 | 48 | 47 | 48 | 46 | 51 | 50 | 57 | 55 | | |
| 29 | 47 | 46 | 48 | 47 | 46 | 45 | 52 | 50 | 57 | 56 | | |
| 30 | 47 | 46 | | | 45 | 45 | 51 | 50 | 57 | 55 | | |
| 31 | 47 | 46 | | | 46 | 45 | | | 56 | 55 | | |

Daily maximum and minimum temperatures for the Sacramento River at Bend Bridge, 1983

| Day | May | | June | | July | | August | | September | | October | | November | | December | |
|-----|------|------|------|------|------|------|--------|------|-----------|------|---------|------|----------|------|----------|------|
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | | | 55 | 52 | 57 | 54 | 58 | 55 | 58 | 55 | 58 | 57 | 58 | 58 | 53 | 52 |
| 2 | | | 56 | 52 | 58 | 54 | 58 | 55 | 58 | 55 | 57 | 56 | 58 | 57 | 53 | 52 |
| 3 | | | 56 | 52 | 59 | 55 | 58 | 55 | 58 | 55 | 58 | 56 | 57 | 57 | 53 | 50 |
| 4 | | | 57 | 53 | 58 | 54 | 58 | 55 | 58 | 55 | 58 | 56 | 57 | 57 | 51 | 50 |
| 5 | | | 56 | 53 | 57 | 54 | 58 | 54 | 58 | 55 | 58 | 56 | 57 | 56 | 51 | 50 |
| 6 | | | 56 | 53 | 58 | 54 | 58 | 54 | 59 | 55 | 58 | 56 | 57 | 56 | 51 | 50 |
| 7 | | | 57 | 53 | 58 | 54 | 58 | 54 | 59 | 56 | 58 | 56 | 56 | 55 | 50 | 50 |
| 8 | | | 57 | 54 | 58 | 54 | 58 | 55 | 59 | 57 | 58 | 56 | 56 | 54 | 52 | 51 |
| 9 | | | 54 | 53 | 58 | 54 | 58 | 55 | 59 | 56 | 58 | 56 | 56 | 55 | 52 | 51 |
| 10 | | | 56 | 52 | 58 | 54 | 58 | 55 | 59 | 57 | 58 | 56 | 53 | 53 | 51 | 51 |
| 11 | 52 | 50 | 56 | 53 | 58 | 55 | 58 | 54 | 60 | 57 | 58 | 56 | 55 | 53 | 50 | 51 |
| 12 | 52 | 50 | 57 | 53 | 59 | 55 | 58 | 54 | 60 | 57 | 58 | 56 | 55 | 54 | 50 | 49 |
| 13 | 52 | 50 | 56 | 53 | 58 | 55 | 57 | 54 | 60 | 58 | 58 | 56 | 54 | 53 | 51 | 50 |
| 14 | 52 | 50 | 56 | 53 | 59 | 55 | 58 | 55 | 60 | 58 | 58 | 56 | 54 | 53 | 51 | 51 |
| 15 | 55 | 51 | 56 | 53 | 58 | 54 | 58 | 55 | 60 | 57 | 58 | 55 | 54 | 53 | 51 | 51 |
| 16 | 56 | 52 | 58 | 54 | 58 | 54 | 58 | 55 | 60 | 57 | 58 | 55 | 54 | 54 | 51 | 51 |
| 17 | 57 | 54 | 57 | 54 | 57 | 54 | 58 | 55 | 60 | 57 | 58 | 55 | 55 | 54 | 51 | 50 |
| 18 | 55 | 53 | 58 | 54 | 57 | 54 | 58 | 55 | 60 | 57 | 58 | 55 | 54 | 53 | 50 | 50 |
| 19 | 56 | 52 | 57 | 54 | 58 | 54 | 58 | 55 | 58 | 57 | 58 | 55 | 54 | 53 | 50 | 50 |
| 20 | 56 | 52 | 58 | 54 | 58 | 54 | 58 | 54 | 58 | 56 | 58 | 55 | 53 | 52 | 50 | 50 |
| 21 | 56 | 52 | 58 | 54 | 58 | 54 | 57 | 55 | 58 | 56 | 57 | 56 | 53 | 52 | 50 | 49 |
| 22 | 57 | 52 | 58 | 54 | 58 | 54 | 58 | 55 | 58 | 57 | 58 | 55 | 53 | 52 | 50 | 49 |
| 23 | 56 | 53 | 58 | 54 | 58 | 54 | 58 | 55 | 59 | 57 | 58 | 55 | 53 | 51 | 50 | 48 |
| 24 | 56 | 53 | 58 | 54 | 58 | 55 | 58 | 55 | 59 | 57 | 58 | 56 | 51 | 50 | 48 | 43 |
| 25 | 55 | 52 | 58 | 54 | 58 | 54 | 58 | 55 | 59 | 57 | 58 | 56 | 52 | 51 | 46 | 43 |
| 26 | 56 | 52 | 58 | 54 | 58 | 54 | 58 | 55 | 58 | 57 | 58 | 56 | 53 | 51 | 48 | 46 |
| 27 | 56 | 52 | 57 | 54 | 58 | 54 | 58 | 55 | 58 | 57 | 58 | 56 | 53 | 51 | 48 | 47 |
| 28 | 55 | 52 | 57 | 54 | 58 | 55 | 58 | 55 | 58 | 56 | 57 | 55 | 53 | 52 | 48 | 47 |
| 29 | 55 | 52 | 58 | 54 | 58 | 55 | 58 | 55 | 58 | 56 | 58 | 56 | 53 | 52 | 48 | 48 |
| 30 | 56 | 52 | 56 | 54 | 58 | 55 | 58 | 55 | 57 | 56 | 58 | 56 | 53 | 52 | 49 | 48 |
| 31 | 55 | 52 | | | 58 | 55 | | | | | 58 | 57 | | | 49 | 48 |

Daily minimum and maximum temperatures for Sacramento River at Bend Bridge, 1984

| Day | January | | February | | March | | April | | May | | June | |
|-----|---------|------|----------|------|-------|------|-------|------|------|------|------|------|
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | 48 | 47 | 48 | 47 | 50 | 49 | 52 | 49 | 52 | 50 | 58 | 54 |
| 2 | 49 | 47 | 48 | 46 | 50 | 49 | 52 | 50 | 53 | 51 | 58 | 54 |
| 3 | 50 | 48 | 48 | 46 | 50 | 48 | 52 | 52 | 55 | 51 | 58 | 54 |
| 4 | 50 | 48 | 48 | 47 | 50 | 48 | 52 | 52 | 55 | 51 | 58 | 54 |
| 5 | 49 | 49 | 49 | 48 | 51 | 48 | 52 | 52 | 54 | 51 | 56 | 54 |
| 6 | 49 | 49 | 49 | 47 | 51 | 49 | 53 | 52 | 54 | 51 | 56 | 54 |
| 7 | 49 | 48 | 49 | 48 | 51 | 50 | 53 | 51 | 55 | 51 | 56 | 54 |
| 8 | 48 | 48 | 48 | 48 | 51 | 50 | 52 | 51 | 55 | 52 | 58 | 54 |
| 9 | 48 | 48 | 49 | 48 | 51 | 50 | 52 | 50 | 55 | 53 | 58 | 54 |
| 10 | 48 | 48 | 49 | 47 | 52 | 50 | 52 | 49 | 55 | 53 | 57 | 54 |
| 11 | 48 | 47 | 48 | 47 | 52 | 51 | 52 | 49 | 54 | 53 | 58 | 54 |
| 12 | 48 | 47 | 47 | 47 | 52 | 52 | 53 | 50 | 56 | 53 | 58 | 54 |
| 13 | 47 | 46 | 47 | 47 | 52 | 52 | 54 | 50 | 56 | 53 | 59 | 55 |
| 14 | 46 | 46 | 48 | 46 | 52 | 51 | 54 | 51 | 56 | 53 | 59 | 55 |
| 15 | 46 | 46 | 48 | 46 | 52 | 50 | 55 | 53 | 55 | 51 | 59 | 55 |
| 16 | 47 | 46 | 47 | 46 | 51 | 49 | 55 | 53 | 55 | 51 | 59 | 56 |
| 17 | 47 | 46 | 48 | 46 | 49 | 47 | 54 | 52 | 56 | 52 | 59 | 56 |
| 18 | 47 | 45 | 48 | 46 | 50 | 48 | 54 | 50 | 56 | 53 | 59 | 56 |
| 19 | 47 | 46 | 48 | 47 | 51 | 48 | 53 | 50 | 56 | 53 | 58 | 56 |
| 20 | 46 | 45 | 49 | 48 | 51 | 49 | 53 | 50 | 56 | 53 | 58 | 55 |
| 21 | 47 | 46 | 49 | 48 | 50 | 48 | 54 | 51 | 56 | 53 | | 54 |
| 22 | 47 | 46 | 49 | 47 | 50 | 48 | 56 | 52 | 56 | 53 | | |
| 23 | 47 | 45 | 46 | 46 | 50 | 48 | 56 | 54 | 56 | 53 | | |
| 24 | 48 | 46 | 48 | 46 | 51 | 48 | 55 | 53 | 56 | 54 | | |
| 25 | 48 | 46 | 49 | 47 | 50 | 48 | 53 | 51 | 55 | 53 | | |
| 26 | 47 | 46 | 49 | 47 | 51 | 48 | 52 | 48 | 57 | 53 | | |
| 27 | 48 | 46 | 49 | 47 | 51 | 48 | 52 | 48 | 57 | 54 | | |
| 28 | 48 | 46 | 49 | 47 | 51 | 49 | 53 | 50 | 57 | 54 | | |
| 29 | 48 | 46 | 50 | 48 | 50 | 48 | 53 | 50 | 59 | 58 | | |
| 30 | 48 | 46 | | | 50 | 48 | 52 | 50 | 59 | 55 | | |
| 31 | 48 | 46 | | | 50 | 49 | | | 58 | 54 | | |

Daily minimum and maximum temperatures for Sacramento River near Balls Ferry, 1983

| Day | May | | June | | July | | August | | September | | October | | November | | December | |
|-----|------|------|-----------|------|------|------|--------|------|-----------|------|---------|------|----------|------|----------|------|
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | | | Clock DOA | | 52 | 52 | 53 | 51 | 53 | 52 | 56 | 51 | 53 | 53 | 57 | 54 |
| 2 | | | 52 | 51 | 52 | 52 | 53 | 51 | 54 | 52 | 56 | 51 | 53 | 53 | 59 | 59 |
| 3 | | | 52 | 50 | 52 | 52 | 53 | 51 | 54 | 52 | 56 | 51 | 53 | 53 | 60 | 54 |
| 4 | | | 52 | 51 | 52 | 52 | 52 | 52 | 54 | 53 | 56 | 51 | 53 | 53 | 58 | 54 |
| 5 | | | 52 | 51 | 53 | 52 | 52 | 52 | 54 | 53 | 56 | 52 | 53 | 53 | 59 | 59 |
| 6 | 56 | 54 | 52 | 52 | 53 | 52 | 52 | 52 | 54 | 53 | 56 | 52 | 53 | 53 | 60 | 55 |
| 7 | 54 | 51 | 52 | 52 | 53 | 52 | 52 | 52 | 55 | 54 | 56 | 52 | 53 | 53 | 55 | 55 |
| 8 | 51 | 50 | 52 | 51 | 53 | 52 | 53 | 52 | 56 | 54 | 56 | 52 | 53 | 52 | 56 | 55 |
| 9 | 51 | 50 | 52 | 51 | 53 | 51 | 53 | 52 | 56 | 54 | 56 | 52 | 52 | 52 | 55 | 54 |
| 10 | 51 | 50 | 51 | 51 | 53 | 51 | 53 | 52 | 56 | 54 | 56 | 52 | 52 | 52 | 54 | 54 |
| 11 | 51 | 50 | 52 | 51 | 53 | 51 | 53 | 51 | 56 | 54 | 56 | 52 | 52 | 52 | 54 | 54 |
| 12 | 51 | 50 | 52 | 51 | 53 | 51 | 53 | 51 | | | 56 | 52 | 52 | 52 | 54 | 54 |
| 13 | | | 52 | 51 | 53 | 52 | 53 | 51 | | | 56 | 52 | 51 | 51 | 54 | 54 |
| 14 | | | 52 | 51 | 53 | 52 | 53 | 51 | | | 56 | 52 | 51 | 51 | 54 | 54 |
| 15 | | | 52 | 51 | 53 | 51 | 53 | 51 | | | 56 | 52 | 51 | 51 | 54 | 54 |
| 16 | | | 52 | 51 | 54 | 52 | 53 | 52 | | | 56 | 52 | 51 | 51 | 54 | 54 |
| 17 | | | 53 | 51 | 54 | 52 | 53 | 51 | | | 57 | 52 | 51 | 51 | 54 | 54 |
| 18 | | | 52 | 51 | 52 | 52 | 54 | 53 | | | 57 | 52 | 51 | 51 | 54 | 54 |
| 19 | | | 53 | 51 | 52 | 52 | 53 | 53 | | | 57 | 52 | 51 | 51 | 55 | 54 |
| 20 | | | 53 | 52 | 52 | 52 | 53 | 52 | | | 56 | 52 | 51 | 51 | 56 | 55 |
| 21 | | | 53 | 51 | 52 | 52 | 53 | 52 | 52 | 52 | 57 | 52 | 52 | 52 | 56 | 56 |
| 22 | | | 53 | 51 | 52 | 52 | 54 | 53 | 52 | 52 | 57 | 53 | 52 | 52 | 56 | 56 |
| 23 | | | 53 | 51 | 52 | 52 | 54 | 53 | 52 | 52 | 57 | 53 | 52 | 51 | 58 | 56 |
| 24 | | | 53 | 51 | 53 | 51 | 54 | 53 | 52 | 52 | 57 | 53 | 52 | 49 | 58 | 49 |
| 25 | | | 53 | 51 | 53 | 51 | 54 | 53 | 52 | 52 | 57 | 53 | 49 | 49 | 50 | 49 |
| 26 | | | 53 | 51 | 53 | 51 | 54 | 53 | 52 | 52 | 57 | 53 | 50 | 49 | 50 | 49 |
| 27 | | | 53 | 51 | 53 | 51 | 53 | 53 | 52 | 51 | 57 | 53 | 51 | 50 | 49 | 49 |
| 28 | | | 53 | 51 | 53 | 51 | 54 | 53 | 52 | 51 | 57 | 53 | 51 | 51 | 49 | 49 |
| 29 | | | 53 | 51 | 53 | 51 | 54 | 53 | 52 | 51 | 57 | 53 | 51 | 51 | 49 | 49 |
| 30 | | | 53 | 51 | 53 | 51 | 54 | 53 | 52 | 51 | 57 | 53 | 51 | 51 | 49 | 49 |
| 31 | | | | | 53 | 51 | 53 | 53 | | | 57 | 53 | | | 49 | 49 |

Daily minimum and maximum temperatures for Sacramento River at Balls Ferry, 1984

| Day | January | | February | | March | | April | | May | | June | |
|-----|---------|------|----------|------|-------|------|-------|------|------|------|------|------|
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | 49 | 49 | 48 | 48 | 50 | 49 | 53 | 52 | 51 | 51 | 57 | 54 |
| 2 | 49 | 49 | 48 | 48 | 50 | 49 | 53 | 53 | 51 | 51 | 57 | 54 |
| 3 | 49 | 49 | 49 | 47 | 50 | 50 | 53 | 53 | 53 | 51 | 56 | 54 |
| 4 | 49 | 49 | 49 | 48 | 50 | 49 | 53 | 53 | 55 | 53 | 56 | 56 |
| 5 | 49 | 49 | 49 | 49 | 54 | 52 | 53 | 53 | 55 | 53 | 56 | 55 |
| 6 | 49 | 49 | 49 | 49 | 54 | 53 | 53 | 52 | 55 | 53 | 55 | 55 |
| 7 | 49 | 49 | 49 | 48 | 54 | 54 | 53 | 52 | 55 | 53 | 56 | 54 |
| 8 | 49 | 49 | 49 | 49 | 54 | 53 | 52 | 51 | 55 | 53 | 56 | 54 |
| 9 | 49 | 49 | 49 | 49 | 54 | 53 | 51 | 51 | 55 | 54 | 57 | 54 |
| 10 | 49 | 49 | 49 | 48 | 56 | 53 | 51 | 51 | 55 | 54 | 57 | 54 |
| 11 | 48 | 48 | 49 | 49 | 56 | 55 | 51 | 51 | 54 | 54 | 57 | 54 |
| 12 | 48 | 48 | 49 | 49 | 56 | 55 | 52 | 51 | 55 | 53 | 56 | 55 |
| 13 | 48 | 48 | 49 | 48 | 56 | 54 | 52 | 51 | 55 | 53 | 57 | 55 |
| 14 | 48 | 48 | 48 | 47 | 54 | 51 | 53 | 52 | 55 | 53 | 57 | 54 |
| 15 | 48 | 48 | 48 | 47 | 51 | 50 | 54 | 53 | 55 | 53 | 56 | 54 |
| 16 | 48 | 48 | 48 | 47 | 50 | 48 | 54 | 53 | 54 | 53 | 57 | 54 |
| 17 | 48 | 48 | 49 | 48 | 48 | 47 | 53 | 53 | 54 | 53 | 56 | 54 |
| 18 | 48 | 48 | 49 | 48 | 48 | 47 | 53 | 52 | 55 | 53 | 57 | 54 |
| 19 | 48 | 48 | 50 | 49 | 48 | 47 | 52 | 51 | 55 | 54 | 56 | 55 |
| 20 | 48 | 48 | 50 | 50 | 49 | 48 | 53 | 51 | 56 | 54 | 57 | 55 |
| 21 | 48 | 48 | 50 | 50 | 50 | 49 | 53 | 51 | 55 | 54 | | 55 |
| 22 | 48 | 48 | 50 | 49 | 50 | 50 | 53 | 52 | 56 | 54 | | |
| 23 | 48 | 48 | 49 | 49 | 50 | 50 | 54 | 52 | 56 | 55 | | |
| 24 | 48 | 48 | 50 | 49 | 50 | 50 | 54 | 53 | 55 | 54 | | |
| 25 | 48 | 48 | 50 | 49 | 50 | 50 | 53 | 52 | 56 | 54 | | |
| 26 | 48 | 48 | 50 | 48 | 50 | 50 | 52 | 50 | 56 | 55 | | |
| 27 | 48 | 48 | 49 | 49 | 51 | 50 | 51 | 50 | 56 | 55 | | |
| 28 | 48 | 48 | 49 | 49 | 51 | 50 | 51 | 50 | 56 | 55 | | |
| 29 | 48 | 48 | 50 | 49 | 51 | 50 | 51 | 51 | 57 | 55 | | |
| 30 | 48 | 48 | | | 51 | 50 | 51 | 51 | 56 | 54 | | |
| 31 | 48 | 48 | | | 52 | 51 | | | 56 | 54 | | |

Daily minimum and maximum temperatures for Sacramento River above Clear Creek, 1983

| Day | May | | June | | July | | August | | September | | October | | November | | December | |
|-----|------|------|------|------|------|------|--------|------|-----------|------|---------|------|----------|------|----------|------|
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | | | 49 | 49 | 52 | 51 | 54 | 53 | 52 | 52 | 53 | 52 | 52 | 52 | 52 | 52 |
| 2 | | | 50 | 49 | 52 | 51 | 54 | 53 | 53 | 52 | 54 | 52 | 53 | 52 | 52 | 51 |
| 3 | | | 50 | 49 | 53 | 52 | 54 | 53 | 53 | 52 | 54 | 52 | 53 | 52 | 52 | 51 |
| 4 | | | 50 | 49 | 53 | 52 | 54 | 53 | 53 | 52 | 54 | 52 | 53 | 52 | 51 | 51 |
| 5 | | | 50 | 49 | 53 | 52 | 54 | 53 | 53 | 52 | 54 | 52 | 53 | 52 | 51 | 51 |
| 6 | 49 | 48 | 50 | 50 | 53 | 52 | 54 | 53 | 54 | 52 | 54 | 53 | 52 | 52 | 51 | 50 |
| 7 | 48 | 48 | 50 | 50 | 53 | 52 | 54 | 53 | 54 | 52 | 54 | 53 | 53 | 52 | 50 | 50 |
| 8 | 49 | 48 | 50 | 50 | 53 | 52 | 54 | 54 | 54 | 53 | 54 | 53 | 52 | 52 | 50 | 50 |
| 9 | 49 | 48 | 50 | 50 | 53 | 52 | 54 | 54 | 55 | 53 | 54 | 53 | 52 | 52 | 50 | 50 |
| 10 | 49 | 48 | 50 | 49 | 54 | 52 | 54 | 53 | 55 | 53 | 54 | 53 | 53 | 52 | 50 | 50 |
| 11 | 49 | 48 | 50 | 49 | 53 | 52 | 54 | 53 | 55 | 53 | 54 | 53 | 53 | 52 | 50 | 49 |
| 12 | 48 | 48 | 50 | 49 | 53 | 52 | 54 | 54 | 55 | 53 | 54 | 53 | 53 | 52 | 50 | 49 |
| 13 | 48 | 48 | 50 | 49 | 53 | 52 | 54 | 54 | 55 | 54 | 54 | 53 | 53 | 53 | 50 | 49 |
| 14 | 48 | 48 | 50 | 50 | 54 | 52 | 54 | 53 | 55 | 54 | 54 | 53 | 53 | 53 | 50 | 49 |
| 15 | 50 | 48 | 51 | 50 | 54 | 52 | 54 | 54 | 55 | 54 | 54 | 53 | 54 | 53 | 49 | 49 |
| 16 | 52 | 49 | 51 | 50 | 54 | 52 | 55 | 54 | 55 | 54 | 54 | 54 | 53 | 53 | 49 | 48 |
| 17 | 52 | 49 | 53 | 51 | 54 | 52 | 53 | 52 | 54 | 54 | 54 | 54 | 53 | 53 | 48 | 48 |
| 18 | 51 | 50 | 52 | 51 | 54 | 52 | 52 | 52 | 55 | 54 | 54 | 54 | 53 | 53 | 49 | 48 |
| 19 | 52 | 50 | 53 | 51 | 54 | 52 | 52 | 52 | 56 | 53 | 54 | 54 | 53 | 53 | 49 | 48 |
| 20 | 51 | 49 | 52 | 51 | 54 | 52 | 52 | 51 | 55 | 54 | 54 | 52 | 53 | 53 | | 48 |
| 21 | 50 | 49 | 52 | 51 | 54 | 53 | 52 | 52 | 54 | 53 | 54 | 52 | 53 | 53 | | |
| 22 | 50 | 49 | 52 | 51 | 54 | 53 | 53 | 52 | 53 | 53 | 54 | 52 | 54 | 53 | 50 | 49 |
| 23 | 50 | 49 | 52 | 51 | 54 | 53 | 52 | 52 | 54 | 53 | 54 | 52 | 53 | 52 | 49 | 48 |
| 24 | 50 | 50 | 52 | 51 | 54 | 53 | 53 | 52 | 54 | 53 | 54 | 52 | 52 | 52 | 48 | 48 |
| 25 | 50 | 49 | 52 | 52 | 54 | 53 | 53 | 52 | 54 | 52 | 53 | 52 | 52 | 52 | 48 | 48 |
| 26 | 50 | 49 | 52 | 52 | 54 | 53 | 53 | 52 | 54 | 52 | 53 | 52 | 53 | 52 | 48 | 48 |
| 27 | | | 52 | 52 | 54 | 53 | 52 | 52 | 54 | 52 | 53 | 52 | 53 | 52 | 48 | 47 |
| 28 | | | 52 | 51 | 54 | 53 | 52 | 52 | 54 | 52 | 53 | 52 | 52 | 52 | 47 | 47 |
| 29 | | | 52 | 51 | 54 | 53 | 53 | 52 | 54 | 52 | 52 | 52 | 52 | 52 | 47 | 47 |
| 30 | | | 52 | 51 | 54 | 53 | 53 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 47 | 47 |
| 31 | | | | | 54 | 53 | 52 | 52 | | | 52 | 52 | | | 47 | 46 |

Daily minimum and maximum temperatures for Sacramento River above Clear Creek, 1984

| Day | January | | February | | March | | April | | May | | June | |
|-----|---------|------|----------|------|-------|------|-------|------|------|------|------|------|
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | 47 | 46 | 44 | 44 | 45 | 44 | 49 | 48 | 46 | 46 | 51 | 49 |
| 2 | 47 | 46 | 44 | 44 | 46 | 44 | 50 | 47 | 48 | 46 | 51 | 49 |
| 3 | 47 | 46 | 45 | 44 | 46 | 44 | 50 | 48 | 48 | 46 | 51 | 49 |
| 4 | 47 | 46 | 45 | 44 | 46 | 44 | 50 | 48 | 49 | 46 | 50 | 49 |
| 5 | 46 | 46 | 45 | 44 | 46 | 44 | 50 | 48 | 49 | 46 | 50 | 49 |
| 6 | 46 | 46 | 45 | 44 | 46 | 44 | 51 | 48 | 49 | 47 | 49 | 49 |
| 7 | 46 | 46 | 45 | 44 | 46 | 45 | 50 | 48 | 49 | 47 | 50 | 49 |
| 8 | 46 | 46 | 45 | 44 | 46 | 45 | 50 | 48 | 50 | 48 | 51 | 49 |
| 9 | 46 | 46 | 45 | 44 | 46 | 45 | 48 | 48 | 50 | 48 | 52 | 49 |
| 10 | 46 | 46 | 45 | 44 | 47 | 45 | 50 | 48 | 50 | 48 | 51 | 49 |
| 11 | 46 | 45 | 44 | 44 | 46 | 45 | 50 | 48 | 50 | 48 | 51 | 49 |
| 12 | 45 | 45 | 44 | 44 | 46 | 45 | 50 | 48 | 50 | 48 | 51 | 49 |
| 13 | 45 | 45 | 44 | 44 | 46 | 46 | 50 | 48 | 50 | 48 | 52 | 49 |
| 14 | 45 | 45 | 44 | 44 | 49 | 46 | 51 | 48 | 50 | 48 | 52 | 49 |
| 15 | 45 | 45 | 44 | 44 | 46 | 46 | 52 | 48 | 50 | 48 | 52 | 50 |
| 16 | 45 | 44 | 45 | 44 | 46 | 45 | 50 | 49 | 50 | 48 | 52 | 49 |
| 17 | 45 | 44 | 44 | 44 | 45 | 45 | 51 | 48 | 50 | 48 | 51 | 49 |
| 18 | 45 | 44 | 44 | 44 | 46 | 45 | 50 | 48 | 49 | 47 | 52 | 50 |
| 19 | 44 | 44 | 45 | 44 | 46 | 45 | 51 | 48 | 49 | 47 | 51 | 49 |
| 20 | 44 | 44 | 44 | 44 | 46 | 46 | 48 | 47 | 49 | 48 | 52 | 49 |
| 21 | 44 | 44 | 45 | 44 | 46 | 45 | 49 | 46 | 50 | 48 | | 50 |
| 22 | 44 | 44 | 45 | 44 | 46 | 45 | 49 | 46 | 50 | 48 | | |
| 23 | 44 | 44 | 45 | 44 | 46 | 46 | 49 | 46 | 50 | 48 | | |
| 24 | 44 | 44 | 45 | 44 | 46 | 46 | 50 | 46 | 50 | 48 | | |
| 25 | 44 | 44 | 45 | 44 | 46 | 46 | 48 | 46 | 50 | 48 | | |
| 26 | 44 | 44 | 45 | 44 | 46 | 46 | 48 | 46 | 50 | 47 | | |
| 27 | 44 | 44 | 45 | 44 | 46 | 46 | 48 | 46 | 51 | 48 | | |
| 28 | 44 | 44 | 45 | 44 | 50 | 48 | 48 | 46 | 51 | 48 | | |
| 29 | 44 | 44 | 45 | 44 | 49 | 48 | 48 | 46 | 50 | 48 | | |
| 30 | 44 | 44 | | | 48 | 48 | 47 | 46 | 51 | 48 | | |
| 31 | 44 | 44 | | | 48 | 48 | | | 52 | 49 | | |

Daily minimum and maximum temperatures for Sacramento River below Keswick, 1983

| Day | May | | June | | July | | August | | September | | October | | November | | December | |
|-----|------|------|------|------|------|------|--------|------|-----------|------|---------|------|----------|------|----------|------|
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | | | 48 | 46 | 50 | 49 | 51 | 50 | 52 | 52 | 54 | 54 | 55 | 55 | | |
| 2 | | | 48 | 48 | 50 | 49 | 51 | 50 | 52 | 52 | 54 | 54 | 55 | 55 | | |
| 3 | | | 48 | 48 | 50 | 50 | 51 | 50 | 52 | 52 | 54 | 54 | 55 | 55 | | |
| 4 | | | 48 | 48 | 50 | 50 | 51 | 50 | 52 | 52 | 54 | 54 | 56 | 55 | | |
| 5 | 45 | 45 | 49 | 48 | 50 | 50 | 51 | 50 | 53 | 52 | 54 | 54 | 56 | 55 | | |
| 6 | 71 | 43 | 49 | 48 | 56 | 50 | 51 | 50 | | | 54 | 54 | 56 | 56 | | |
| 7 | 46 | 46 | 49 | 48 | 56 | 54 | 51 | 50 | | | 54 | 54 | 56 | 56 | | |
| 8 | 46 | 46 | 49 | 48 | 54 | 53 | 51 | 50 | | | 54 | 54 | 56 | 56 | | |
| 9 | 46 | 46 | 49 | 48 | 53 | 53 | 51 | 51 | | | 54 | 54 | 56 | 56 | | |
| 10 | 46 | 46 | 49 | 48 | 53 | 53 | 51 | 51 | | | 55 | 54 | 56 | 56 | | |
| 11 | 46 | 46 | 49 | 48 | 53 | 52 | 52 | 51 | | | 55 | 55 | 56 | 53 | | |
| 12 | 46 | 46 | 49 | 48 | 52 | 52 | 51 | 51 | 54 | 54 | 55 | 55 | 53 | 52 | | |
| 13 | 46 | 46 | 40 | 49 | 52 | 52 | 51 | 51 | 54 | 54 | 55 | 55 | 52 | 52 | | |
| 14 | 46 | 46 | 49 | 48 | 52 | 52 | 52 | 51 | 58 | 44 | 60 | 55 | 53 | 52 | | |
| 15 | 46 | 42 | 49 | 49 | 52 | 52 | 51 | 51 | | | 55 | 55 | 54 | 53 | | |
| 16 | | | 49 | 49 | 52 | 50 | 51 | 51 | | | 55 | 55 | 54 | 53 | | |
| 17 | | | 52 | 49 | 50 | 50 | 52 | 51 | 54 | 53 | 55 | 55 | 54 | 53 | | |
| 18 | 50 | 47 | 50 | 49 | 51 | 50 | 52 | 51 | 54 | 53 | 55 | 55 | 54 | 54 | | |
| 19 | 47 | 46 | 50 | 49 | 51 | 50 | 52 | 52 | 54 | 54 | 55 | 55 | 54 | 54 | | |
| 20 | 46 | 46 | 50 | 49 | 51 | 50 | 52 | 52 | 54 | 53 | 56 | 55 | 54 | 54 | | |
| 21 | 46 | 46 | 50 | 49 | 51 | 50 | 52 | 52 | 54 | 53 | 56 | 56 | 54 | 54 | | |
| 22 | 46 | 46 | 50 | 49 | 51 | 50 | 52 | 52 | 54 | 54 | 56 | 56 | 54 | 54 | | |
| 23 | 46 | 46 | 50 | 49 | 51 | 50 | 52 | 52 | 54 | 54 | 56 | 56 | 53 | 52 | | |
| 24 | 46 | 46 | 50 | 49 | 51 | 50 | 52 | 52 | 54 | 54 | 56 | 56 | 55 | 52 | | |
| 25 | 46 | 45 | 50 | 49 | 51 | 51 | 52 | 52 | 54 | 54 | 56 | 56 | 55 | 53 | | |
| 26 | 46 | 46 | 50 | 49 | 51 | 50 | 52 | 52 | 54 | 54 | 56 | 56 | 53 | 53 | | |
| 27 | 46 | 45 | 50 | 50 | 51 | 50 | 52 | 52 | 54 | 54 | 56 | 56 | 53 | 53 | | |
| 28 | 46 | 46 | 50 | 49 | 51 | 50 | 52 | 52 | 54 | 54 | 56 | 56 | 53 | 52 | 50 | 50 |
| 29 | 46 | 46 | 49 | 49 | 51 | 50 | 52 | 52 | 54 | 54 | 56 | 56 | 53 | 52 | 50 | 49 |
| 30 | 46 | 46 | 50 | 49 | 51 | 50 | 52 | 52 | 54 | 54 | 56 | 55 | 52 | 52 | 49 | 49 |
| 31 | 47 | 46 | | | 51 | 50 | 52 | 52 | 54 | 54 | 55 | 55 | | | 49 | 48 |
| | | | | | | | | | | | 55 | 55 | | | 48 | 48 |

Daily minimum and maximum temperatures for Sacramento River below Keswick, 1984

| Day | January | | February | | March | | April | | May | | June | |
|-----|---------|------|-------------------------|------|-------|------|-------|------|------|------|------|------|
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | 48 | 48 | Prob out of Water | | 54 | 54 | 48 | 48 | 48 | 48 | 48 | 48 |
| 2 | 49 | 48 | | | 55 | 54 | 49 | 48 | 47 | 47 | 49 | 48 |
| 3 | 49 | 48 | | | 56 | 55 | 49 | 49 | 47 | 47 | 49 | 48 |
| 4 | 49 | 49 | 56 | 56 | 55 | 55 | 49 | 49 | 47 | 47 | 48 | 48 |
| 5 | 49 | 49 | 56 | 56 | 55 | 55 | 49 | 49 | 47 | 47 | 48 | 48 |
| 6 | 49 | 49 | 56 | 56 | 55 | 55 | 49 | 49 | 48 | 47 | 48 | 48 |
| 7 | 50 | 49 | 56 | 56 | 55 | 55 | 49 | 49 | 48 | 47 | 48 | 48 |
| 8 | 50 | 50 | 56 | 56 | 55 | 55 | 49 | 49 | 48 | 47 | 49 | 48 |
| 9 | 49 | 50 | 56 | 56 | 55 | 55 | 49 | 49 | 48 | 47 | 49 | 48 |
| 10 | 50 | 50 | 56 | 56 | | | 49 | 49 | 48 | 47 | 49 | 48 |
| 11 | 48 | 47 | 56 | 56 | | | 48 | 48 | 47 | 47 | 49 | 48 |
| 12 | 47 | 46 | 56 | 56 | | | 48 | 48 | 47 | 47 | 48 | 48 |
| 13 | 47 | 46 | 56 | 56 | | | 49 | 48 | 47 | 47 | 49 | 48 |
| 14 | 47 | 46 | 56 | 56 | 50 | 48 | 49 | 49 | 47 | 47 | 49 | 48 |
| 15 | 46 | 46 | 56 | 56 | 48 | 48 | 49 | 49 | 47 | 47 | 49 | 48 |
| 16 | 46 | 45 | 56 | 56 | 48 | 47 | 49 | 49 | 47 | 47 | 49 | 48 |
| 17 | 46 | 46 | 56 | 56 | 48 | 47 | 49 | 49 | 47 | 47 | 49 | 48 |
| 18 | 46 | 46 | 56 | 56 | 48 | 47 | 49 | 49 | 47 | 47 | 49 | 48 |
| 19 | 45 | 45 | 56 | 56 | 48 | 47 | 49 | 49 | 47 | 47 | 49 | 48 |
| 20 | 45 | 45 | 56 | 56 | 48 | 48 | 49 | 48 | 47 | 47 | 49 | 48 |
| 21 | 45 | 45 | 57 | 56 | 48 | 48 | 48 | 48 | 47 | 47 | 49 | 48 |
| 22 | 45 | 45 | 57 | 57 | 48 | 48 | 48 | 48 | 47 | 47 | | |
| 23 | 45 | 45 | 57 | 55 | 48 | 48 | 48 | 48 | 47 | 47 | | |
| 24 | | | 55 | 55 | 48 | 48 | 48 | 48 | 47 | 47 | | |
| 25 | | | 55 | 55 | 48 | 48 | 48 | 48 | 47 | 47 | | |
| 26 | | | 56 | 55 | 48 | 48 | 48 | 47 | 47 | 47 | | |
| 27 | | | 55 | 55 | 48 | 48 | 48 | 47 | 47 | 47 | | |
| 28 | | | 55 | 54 | 48 | 48 | 48 | 48 | 47 | 47 | | |
| 29 | | | 54 | 54 | 48 | 48 | 48 | 48 | 48 | 48 | | |
| 30 | | | | | 48 | 48 | 48 | 48 | 48 | 48 | | |
| 31 | | | | | 48 | 48 | | | 48 | 48 | | |

Daily minimum and maximum temperatures for Sacramento River at Matheson, 1983

| Day | May | | June | | July | | August | | September | | October | | November | | December | |
|------|------|------|------|------|------|------|--------|------|-----------|------|---------|------|----------|------|----------|------|
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | | | 48 | 48 | 49 | 49 | 52 | 51 | 51 | 51 | 52 | 52 | 54 | 54 | 54 | 54 |
| 2 | | | 48 | 48 | 49 | 48 | 52 | 51 | 52 | 51 | 62 | 52 | 54 | 59 | 54 | 54 |
| 3 | | | 48 | 48 | 49 | 49 | 52 | 51 | 52 | 52 | 54 | 51 | 54 | 54 | 54 | 54 |
| 4 | | | 48 | 48 | 49 | 48 | 52 | 51 | 52 | 51 | 53 | 53 | 54 | 54 | 54 | 54 |
| 5 | | | 48 | 47 | 49 | 49 | 52 | 51 | 52 | 52 | 63 | 53 | 54 | 52 | 54 | 54 |
| 6 | | | 48 | 48 | 50 | 49 | 52 | 51 | 52 | 52 | 53 | 53 | 54 | 54 | 54 | 53 |
| 7 | | | 48 | 48 | 50 | 49 | 52 | 51 | 52 | 52 | 61 | 53 | 55 | 54 | 53 | 53 |
| 8 | | | 48 | 48 | 50 | 49 | 52 | 51 | 53 | 52 | 54 | 53 | 55 | 52 | 53 | 53 |
| 9 | 48 | 48 | 48 | 48 | 50 | 49 | 52 | 51 | 53 | 52 | 53 | 53 | 55 | 50 | 53 | 53 |
| 10 | 48 | 48 | 48 | 48 | 50 | 49 | 52 | 51 | 52 | 52 | 54 | 53 | 54 | 54 | 53 | 53 |
| 11 | 48 | 47 | 48 | 48 | 50 | 49 | 52 | 51 | 52 | 52 | 54 | 53 | 56 | 56 | 53 | 53 |
| 12 | 48 | 47 | 48 | 48 | 50 | 49 | 52 | 51 | 52 | 52 | 54 | 53 | 56 | 55 | 53 | 53 |
| 13 | 48 | 48 | 48 | 48 | 50 | 49 | 52 | 51 | 52 | 52 | 54 | 53 | 55 | 55 | 53 | 53 |
| 14 | 48 | 47 | 48 | 48 | 50 | 49 | 52 | 51 | 52 | 52 | 54 | 53 | 55 | 55 | 53 | 53 |
| 15 | 48 | 47 | 48 | 48 | 51 | 49 | 52 | 51 | 52 | 52 | 54 | 53 | 55 | 55 | 53 | 52 |
| 16 | 48 | 48 | 48 | 48 | 51 | 51 | 51 | 50 | 52 | 52 | 54 | 53 | 55 | 55 | 52 | 52 |
| 17 | 49 | 48 | 49 | 48 | 51 | 51 | 52 | 51 | 52 | 52 | 54 | 53 | 54 | 54 | 52 | 52 |
| 18 | 49 | 48 | 48 | 48 | 51 | 51 | 51 | 51 | 52 | 52 | 54 | 54 | 55 | 54 | 52 | 52 |
| 19 | 48 | 47 | 48 | 48 | 51 | 51 | 51 | 51 | 52 | 52 | 54 | 54 | 55 | 54 | 52 | 52 |
| 20 | 48 | 47 | 50 | 48 | 51 | 51 | 51 | 51 | 52 | 52 | 54 | 54 | 54 | 54 | 52 | 52 |
| 21 | 48 | 47 | 49 | 49 | 51 | 50 | 51 | 51 | 52 | 52 | 54 | 54 | 54 | 54 | 52 | 52 |
| 22 | 48 | 47 | 49 | 48 | 51 | 51 | 51 | 51 | 52 | 52 | 54 | 54 | 56 | 54 | 52 | 52 |
| 23 | 48 | 47 | 49 | 49 | 51 | 51 | 51 | 51 | 52 | 52 | 54 | 54 | 55 | 55 | 52 | 52 |
| 24 | 48 | 47 | 49 | 49 | 51 | 51 | 51 | 51 | 53 | 52 | 55 | 54 | 55 | 55 | 51 | 51 |
| 25 | 48 | 48 | 49 | 48 | 51 | 51 | 51 | 51 | 63 | 52 | 55 | 51 | 55 | 55 | 51 | 51 |
| 26 | 48 | 48 | 49 | 49 | 51 | 51 | 51 | 51 | 53 | 52 | 55 | 54 | 55 | 55 | 51 | 51 |
| 27 | 48 | 48 | 49 | 49 | 51 | 51 | 51 | 51 | 56 | 52 | 55 | 50 | 54 | 54 | 51 | 51 |
| 28 | 48 | 48 | 49 | 49 | 51 | 51 | 51 | 51 | 53 | 52 | 54 | 52 | 54 | 54 | 51 | 51 |
| 29 | 48 | 47 | 49 | 49 | 51 | 51 | 51 | 51 | 53 | 52 | 54 | 54 | 54 | 54 | 51 | 50 |
| 30 | 49 | 47 | 49 | 49 | 51 | 50 | 51 | 51 | 52 | 52 | 54 | 54 | 54 | 54 | 50 | 50 |
| 31 | 48 | 48 | | | 51 | 50 | 51 | 51 | | | 54 | 54 | | | 50 | 50 |
| Av. | 48.1 | 47.4 | 48.4 | 48.2 | 50.4 | 49.9 | 51.5 | 51 | 52.7 | 52 | 54.8 | 53 | 54.7 | 54.1 | 52.3 | 52.2 |
| Max. | 49 | 48 | 50 | 49 | 51 | 51 | 52 | 51 | 63 | 52 | 63 | 54 | 56 | 56 | 54 | 54 |
| Min. | 48 | 47 | 48 | 47 | 49 | 48 | 51 | 50 | 51 | 51 | 52 | 50 | 54 | 50 | 50 | 50 |

Daily minimum and maximum temperatures for Sacramento River at Matheson, 1984

| Day | January | | February | | March | | April | | May | | June | |
|-----|---------|------|----------|------|-------|------|-------|------|------|------|------|------|
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | 50 | 50 | 48 | 45 | 46 | 46 | 47 | 47 | 48 | 48 | 49 | 49 |
| 2 | 50 | 50 | 48 | 44 | 46 | 46 | 48 | 47 | 48 | 48 | 49 | 49 |
| 3 | 50 | 50 | 48 | 47 | 46 | 46 | 48 | 48 | 48 | 48 | 49 | 49 |
| 4 | 50 | 50 | 47 | 47 | 46 | 46 | 48 | 48 | 48 | 48 | 49 | 49 |
| 5 | ND | ND | 47 | 47 | 46 | 46 | 48 | 48 | 48 | 48 | 49 | 49 |
| 6 | ND | ND | 47 | 47 | 46 | 46 | 48 | 48 | 48 | 48 | 49 | 49 |
| 7 | 50 | 50 | 47 | 47 | 46 | 46 | 48 | 48 | 48 | 48 | 49 | 49 |
| 8 | 50 | 50 | 47 | 47 | 46 | 46 | 48 | 48 | 48 | 48 | 49 | 49 |
| 9 | 50 | 49 | 47 | 47 | 46 | 46 | 48 | 48 | 48 | 48 | 49 | 49 |
| 10 | 50 | 49 | 47 | 47 | 46 | 46 | 48 | 48 | 49 | 48 | 49 | 49 |
| 11 | 50 | 48 | 47 | 47 | 47 | 46 | 48 | 48 | 48 | 48 | 49 | 49 |
| 12 | 49 | 49 | 47 | 47 | 47 | 47 | 48 | 48 | 48 | 48 | 49 | 49 |
| 13 | 49 | 49 | 47 | 47 | 47 | 47 | 48 | 48 | 48 | 48 | 49 | 49 |
| 14 | 49 | 49 | 47 | 47 | 47 | 47 | 48 | 48 | 49 | 48 | 49 | 49 |
| 15 | ND | ND | 47 | 47 | 47 | 47 | 48 | 48 | 49 | 48 | 50 | 49 |
| 16 | 49 | 48 | 47 | 47 | 47 | 47 | 48 | 48 | 49 | 48 | 50 | 49 |
| 17 | 48 | 48 | 47 | 47 | 47 | 47 | 48 | 48 | 49 | 48 | 50 | 49 |
| 18 | 48 | 48 | 47 | 47 | 47 | 47 | 48 | 48 | 49 | 48 | 50 | 49 |
| 19 | 48 | 47 | 47 | 47 | 47 | 47 | 48 | 48 | 49 | 48 | 50 | 49 |
| 20 | 47 | 45 | 46 | 46 | 47 | 47 | 49 | 48 | 49 | 48 | 50 | 49 |
| 21 | 48 | 43 | 46 | 46 | 47 | 47 | 48 | 48 | 49 | 48 | 50 | 49 |
| 22 | 47 | 47 | 46 | 46 | 47 | 47 | 48 | 48 | 49 | 49 | | |
| 23 | 47 | 47 | 47 | 46 | 47 | 47 | 48 | 48 | 49 | 48 | | |
| 24 | ND | ND | 46 | 46 | 48 | 47 | 48 | 48 | 49 | 48 | | |
| 25 | ND | ND | 46 | 46 | 47 | 47 | 48 | 48 | 49 | 48 | | |
| 26 | 48 | 47 | 46 | 46 | 47 | 47 | 48 | 48 | 49 | 48 | | |
| 27 | 48 | 48 | 46 | 46 | 47 | 47 | 48 | 48 | 49 | 48 | | |
| 28 | ND | ND | 46 | 46 | 48 | 47 | 48 | 48 | 49 | 48 | | |
| 29 | 48 | 48 | 46 | 46 | 47 | 47 | 48 | 48 | 49 | 49 | | |
| 30 | | | | | 47 | 47 | 48 | 48 | 49 | 49 | | |
| 31 | | | | | 47 | 47 | | | 49 | 49 | | |

ATTACHMENT G

ELECTRICAL CONDUCTIVITY DATA FROM THE
SACRAMENTO RIVER

Daily minimum and maximum electrical conductivity for Sacramento River at Tehama, 1983

| Day | May | | June | | July | | August | | September | | October | | November | | December | |
|-----|------|------|------|------|------|------|--------|------|-----------|------|---------|------|----------|------|----------|------|
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | | | | | 112 | 112 | 162 | 142 | 440 | 110 | 195 | 99 | 118 | 116 | 121 | 121 |
| 2 | | | 108 | 108 | 113 | 112 | 205 | 157 | 430 | 109 | 127 | 100 | 118 | 118 | 122 | 121 |
| 3 | | | 109 | 108 | 113 | 112 | 215 | 205 | 460 | 118 | 142 | 110 | 118 | 118 | 122 | 99 |
| 4 | | | 109 | 109 | 114 | 113 | 262 | 191 | 400 | 118 | 145 | 110 | 118 | 118 | 109 | 91 |
| 5 | | | 109 | 109 | 114 | 114 | 425 | 262 | 485 | 113 | 180 | 120 | 118 | 118 | 118 | 109 |
| 6 | | | 109 | 109 | 114 | 114 | 430 | 425 | 510 | 114 | 230 | 128 | 119 | 118 | 119 | 118 |
| 7 | | | 109 | 109 | 115 | 114 | 470 | 420 | | | 230 | 155 | 120 | 119 | 120 | 110 |
| 8 | | | 108 | 108 | 115 | 115 | 470 | 460 | | | 180 | 111 | 120 | 119 | 115 | 110 |
| 9 | | | 108 | 108 | 115 | 115 | 460 | 445 | | | 215 | 101 | | | 119 | 100 |
| 10 | | | 108 | 108 | 115 | 115 | 460 | 445 | | | 321 | 220 | | | 103 | 100 |
| 11 | | | 108 | 108 | 115 | 115 | 460 | 400 | | | 340 | 180 | | | 105 | 60 |
| 12 | | | 110 | 108 | 115 | 115 | 410 | 395 | 139 | 118 | 386 | 180 | | | 80 | 72 |
| 13 | | | 110 | 110 | 115 | 115 | 550 | 410 | 139 | 121 | 275 | 140 | | | 99 | 80 |
| 14 | | | 110 | 110 | 115 | 111 | 460 | 350 | 126 | 122 | 218 | 136 | | | | |
| 15 | | | 110 | 110 | 530 | 111 | 350 | 305 | 126 | 115 | 317 | 215 | | | | |
| 16 | | | 112 | 110 | 575 | 530 | 435 | 111 | 119 | 119 | 221 | 212 | | | | |
| 17 | | | 112 | 112 | 580 | 575 | 310 | 110 | 123 | 118 | 220 | 210 | | | | |
| 18 | | | 112 | 112 | 575 | 500 | 210 | 112 | 130 | 119 | 221 | 201 | | | | |
| 19 | | | 112 | 112 | 560 | 500 | 210 | 112 | 125 | 121 | 112 | 112 | | | | |
| 20 | | | 112 | 112 | 580 | 560 | 160 | 109 | 127 | 117 | 112 | 112 | | | | |
| 21 | | | 112 | 112 | 585 | 575 | 230 | 100 | 167 | 100 | 112 | 112 | | | | |
| 22 | | | 112 | 112 | 590 | 116 | 320 | 100 | 150 | 120 | 112 | 112 | | | | |
| 23 | | | 112 | 112 | 116 | 116 | 480 | 104 | 261 | 130 | 112 | 112 | | | | |
| 24 | | | 112 | 112 | 116 | 116 | 250 | 109 | 219 | 145 | 112 | 112 | | | | |
| 25 | | | 112 | 112 | 116 | 116 | 275 | 110 | 210 | 155 | 112 | 112 | | | | |
| 26 | | | 112 | 112 | 127 | 116 | 210 | 111 | 190 | 132 | 112 | 112 | | | | |
| 27 | | | 112 | 112 | 127 | 127 | 182 | 100 | 191 | 125 | 112 | 112 | | | | |
| 28 | | | 112 | 112 | 130 | 127 | 350 | 111 | 200 | 131 | 112 | 112 | | | | |
| 29 | | | 112 | 112 | 131 | 130 | 495 | 111 | 221 | 111 | 112 | 112 | | | | |
| 30 | | | 112 | 112 | 138 | 131 | 430 | 108 | 270 | 150 | 112 | 112 | | | | |
| 31 | | | | | 143 | 137 | 441 | 105 | | | 116 | 112 | | | | |

Daily minimum and maximum electrical conductivity for Sacramento River at Bend Bridge, 1983

| Day | May | | June | | July | | August | | September | | October | | November | | December | |
|-----|------|------|------|------|------|------|--------|------|-----------|------|---------|------|----------|------|----------|------|
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | | | | | 99 | 99 | 108 | 108 | 104 | 104 | 101 | 101 | 152 | 140 | 155 | 155 |
| 2 | | | 100 | 100 | 99 | 99 | 107 | 107 | 104 | 104 | 101 | 101 | 170 | 152 | 155 | 155 |
| 3 | | | 100 | 100 | 99 | 99 | 108 | 108 | 104 | 104 | 102 | 102 | 174 | 170 | 155 | 155 |
| 4 | | | 100 | 100 | 100 | 99 | 108 | 108 | 104 | 104 | 102 | 102 | 172 | 169 | 155 | 155 |
| 5 | | | 100 | 100 | 105 | 100 | 108 | 107 | 104 | 101 | 102 | 102 | 169 | 169 | 155 | 155 |
| 6 | | | 100 | 100 | 105 | 105 | 107 | 106 | 101 | 100 | 102 | 102 | 169 | 170 | 155 | 155 |
| 7 | | | 100 | 100 | 106 | 105 | 106 | 106 | 99 | 99 | 102 | 102 | 170 | 145 | 157 | 156 |
| 8 | | | 100 | 100 | 110 | 106 | 106 | 106 | 99 | 99 | 102 | 102 | 145 | 120 | 157 | 157 |
| 9 | | | 100 | 100 | 110 | 110 | 106 | 106 | 99 | 99 | 102 | 101 | 120 | 118 | 158 | 157 |
| 10 | | | 100 | 100 | 111 | 110 | 106 | 106 | 99 | 99 | 102 | 102 | 133 | 119 | 158 | 158 |
| 11 | | | 100 | 100 | 114 | 111 | 106 | 106 | 99 | 99 | 102 | 102 | 169 | 120 | 158 | 158 |
| 12 | | | 100 | 100 | 114 | 114 | 106 | 106 | 99 | 99 | 102 | 102 | 171 | 169 | 158 | 158 |
| 13 | | | 103 | 100 | 116 | 114 | 105 | 105 | 99 | 99 | 102 | 102 | 181 | 168 | 159 | 158 |
| 14 | | | 103 | 103 | 116 | 115 | 105 | 105 | 98 | 98 | 102 | 102 | 155 | 150 | 159 | 159 |
| 15 | | | 103 | 103 | 117 | 117 | 105 | 105 | 97 | 97 | 102 | 102 | 151 | 145 | 159 | 159 |
| 16 | | | 103 | 102 | 117 | 117 | 105 | 105 | 96 | 96 | 102 | 102 | 159 | 140 | 158 | 158 |
| 17 | | | 102 | 102 | 117 | 117 | 110 | 109 | 95 | 95 | 102 | 102 | 155 | 140 | 158 | 158 |
| 18 | | | 102 | 98 | 116 | 116 | 114 | 108 | 95 | 95 | 102 | 102 | 162 | 155 | 158 | 158 |
| 19 | | | 98 | 98 | 116 | 115 | 114 | 114 | 95 | 95 | 102 | 102 | 162 | 159 | 158 | 158 |
| 20 | | | 99 | 98 | 115 | 115 | 114 | 114 | 95 | 95 | 106 | 102 | 179 | 159 | 158 | 158 |
| 21 | | | 99 | 99 | 115 | 114 | 345 | 114 | 95 | 95 | 106 | 106 | 179 | 165 | 158 | 158 |
| 22 | | | 99 | 99 | 114 | 114 | 338 | 222 | 94 | 94 | 106 | 106 | 169 | 169 | | |
| 23 | | | 99 | 99 | 114 | 113 | 205 | 110 | 105 | 95 | 106 | 106 | 169 | 162 | | |
| 24 | | | 99 | 99 | 113 | 113 | 110 | 110 | 105 | 105 | 195 | 106 | 195 | 135 | | |
| 25 | | | 99 | 99 | 112 | 112 | 110 | 110 | 105 | 100 | 125 | 111 | 157 | 135 | | |
| 26 | | | 99 | 99 | 112 | 111 | 110 | 110 | 100 | 100 | 111 | 110 | 171 | 150 | | |
| 27 | | | 99 | 99 | 111 | 110 | 110 | 107 | 100 | 100 | 110 | 110 | 221 | 161 | | |
| 28 | | | 99 | 99 | 111 | 110 | 107 | 105 | 100 | 100 | 110 | 111 | 250 | 176 | | |
| 29 | | | 99 | 99 | 110 | 110 | 105 | 105 | 100 | 100 | 111 | 111 | 250 | 171 | | |
| 30 | | | 99 | 99 | 110 | 110 | 105 | 104 | 100 | 100 | 125 | 111 | 155 | 152 | | |
| 31 | | | | | 109 | 109 | 104 | 104 | | | 140 | 125 | | | | |

Daily minimum and maximum electrical conductivity for Sacramento River at Bend Bridge, 1984

| Day | January | | February | | March | | April | | May | | June | |
|-----|---------|------|----------|------|-------|------|-------|------|------|------|------|------|
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | | | | | | | 110 | 110 | | | | |
| 2 | | | | | | | 110 | 110 | | | | |
| 3 | | | 157 | 156 | | | 110 | 110 | | | | |
| 4 | | | 156 | 154 | | | 110 | 110 | 120 | 120 | | |
| 5 | | | 154 | 154 | | | 110 | 110 | 120 | 120 | | |
| 6 | | | 154 | 154 | | | 110 | 110 | 120 | 120 | | |
| 7 | | | 154 | 154 | | | 110 | 110 | 114 | 114 | | |
| 8 | | | 154 | 154 | | | 109 | 109 | 114 | 114 | | |
| 9 | | | 154 | 154 | | | 109 | 109 | 114 | 114 | | |
| 10 | | | 154 | 154 | | | 109 | 109 | 114 | 114 | | |
| 11 | | | 154 | 154 | | | 109 | 109 | 114 | 114 | | |
| 12 | | | 154 | 154 | | | 109 | 109 | 114 | 114 | | |
| 13 | | | 154 | 154 | | | 109 | 109 | 116 | 114 | | |
| 14 | | | 154 | 154 | | | 109 | 109 | 117 | 116 | | |
| 15 | | | 154 | 154 | | | 110 | 110 | 117 | 117 | | |
| 16 | | | 154 | 154 | | | 110 | 110 | 117 | 117 | | |
| 17 | | | 154 | 154 | | | 110 | 110 | 118 | 117 | | |
| 18 | | | 154 | 154 | | | 110 | 110 | 118 | 118 | | |
| 19 | | | 154 | 154 | | | 114 | 110 | 118 | 118 | | |
| 20 | | | 154 | 154 | | | 114 | 114 | 118 | 118 | | |
| 21 | | | 154 | 154 | | | 114 | 114 | 118 | 118 | | |
| 22 | | | 154 | 154 | | | 160 | 114 | 118 | 118 | | |
| 23 | | | 154 | 154 | | | 160 | 160 | 118 | 118 | | |
| 24 | | | | | | | 160 | 145 | 118 | 118 | | |
| 25 | | | | | | | 145 | 140 | 120 | 118 | | |
| 26 | | | | | | | 140 | 130 | 120 | 120 | | |
| 27 | | | | | | | 130 | 129 | 120 | 120 | | |
| 28 | | | | | 110 | 110 | 130 | 129 | 120 | 120 | | |
| 29 | | | | | 110 | 110 | 130 | 130 | 120 | 120 | | |
| 30 | | | | | 110 | 110 | 130 | 130 | | | | |
| 31 | | | | | 110 | 110 | | | | | | |

Daily minimum and maximum electrical conductivity for Sacramento River above Clear Creek, 1983

| Day | May | | June | | July | | August | | September | | October | | November | | December | |
|-----|------|------|------|------|------|------|--------|------|-----------|------|---------|------|----------|------|----------|------|
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | | | | | 91 | 90 | 97 | 97 | 97 | 97 | 90 | 90 | | | | |
| 2 | | | | | 92 | 91 | 97 | 97 | 97 | 97 | 90 | 90 | 90 | 90 | 118 | 118 |
| 3 | | | | | 93 | 92 | 97 | 97 | 97 | 97 | 90 | 90 | 90 | 90 | 118 | 118 |
| 4 | | | | | 94 | 93 | 97 | 97 | 97 | 97 | 90 | 90 | 90 | 90 | 118 | 118 |
| 5 | | | | | 95 | 94 | 97 | 97 | 97 | 97 | 90 | 90 | 90 | 90 | 118 | 118 |
| 6 | | 90 | | | 96 | 95 | 97 | 97 | 97 | 97 | 90 | 90 | 90 | 90 | 118 | 118 |
| 7 | 90 | 90 | | | 97 | 96 | 97 | 97 | 97 | 97 | 90 | 90 | 90 | 90 | 118 | 118 |
| 8 | 90 | 90 | | | 97 | 97 | 97 | 97 | 97 | 97 | 90 | 90 | 90 | 90 | 118 | 118 |
| 9 | 90 | 90 | | | 97 | 97 | 97 | 97 | 97 | 97 | 90 | 90 | 90 | 90 | 119 | 118 |
| 10 | 90 | 90 | | | 97 | 97 | 97 | 97 | 97 | 97 | 90 | 90 | 90 | 90 | 119 | 119 |
| 11 | 90 | 90 | | | 97 | 97 | 97 | 97 | 97 | 97 | 90 | 90 | 100 | 90 | 119 | 112 |
| 12 | 90 | 90 | | | 97 | 97 | 97 | 97 | 95 | 95 | 90 | 90 | 101 | 100 | 119 | 112 |
| 13 | 90 | 90 | | | 97 | 97 | 97 | 97 | 95 | 95 | 90 | 90 | 101 | 101 | 112 | 112 |
| 14 | 90 | 90 | | | 97 | 97 | 97 | 97 | 95 | 95 | 90 | 90 | 106 | 101 | 112 | 112 |
| 15 | 90 | 90 | | | 97 | 97 | 97 | 97 | 95 | 95 | 90 | 90 | 109 | 106 | 112 | 112 |
| 16 | 90 | 90 | | | 97 | 97 | 97 | 97 | 95 | 95 | 90 | 90 | | | 112 | 112 |
| 17 | 90 | 90 | 87 | 87 | 97 | 97 | 97 | 97 | 95 | 95 | 90 | 90 | | | 112 | 112 |
| 18 | 90 | 90 | 87 | 87 | 97 | 97 | 97 | 97 | 95 | 95 | 90 | 90 | | | 112 | 112 |
| 19 | 90 | 90 | 87 | 87 | 97 | 97 | 97 | 97 | 95 | 95 | 90 | 90 | | | 112 | 112 |
| 20 | 90 | 90 | 87 | 87 | 97 | 97 | 97 | 97 | 95 | 95 | 90 | 90 | | | 112 | 112 |
| 21 | 90 | 90 | 87 | 87 | 97 | 97 | 97 | 97 | 95 | 95 | 82 | 82 | | | 112 | 112 |
| 22 | 90 | 90 | 87 | 87 | 97 | 97 | 97 | 97 | 90 | 90 | 87 | 82 | | | 112 | 112 |
| 23 | 90 | 90 | 87 | 87 | 97 | 97 | 97 | 97 | 90 | 90 | 88 | 87 | | | 100 | 100 |
| 24 | 90 | 90 | 87 | 87 | 97 | 97 | 97 | 97 | 90 | 90 | 88 | 88 | | | 101 | 100 |
| 25 | 90 | 90 | 87 | 87 | 97 | 97 | 97 | 97 | 90 | 90 | 88 | 88 | | | 101 | 101 |
| 26 | 90 | 90 | 87 | 87 | 97 | 97 | 97 | 97 | 90 | 90 | 90 | 88 | | | 101 | 101 |
| 27 | 90 | 90 | 87 | 87 | 97 | 97 | 97 | 97 | 90 | 90 | 90 | 90 | | | 101 | 101 |
| 28 | 90 | 90 | 87 | 87 | 97 | 97 | 97 | 97 | 90 | 90 | 90 | 90 | | | 102 | 101 |
| 29 | 90 | 90 | 88 | 87 | 97 | 97 | 97 | 97 | 90 | 90 | 90 | 90 | | | 102 | 102 |
| 30 | 90 | 90 | 89 | 89 | 97 | 97 | 97 | 97 | 90 | 90 | 90 | 90 | | | 102 | 100 |
| 31 | 90 | 90 | | | 97 | 97 | 97 | 97 | 90 | 90 | 90 | 90 | 118 | 118 | 100 | 100 |
| | | | | | | | | | | | 90 | 90 | | | 100 | 100 |

Daily minimum and maximum electrical conductivity for Sacramento River above Clear Creek, 1984

| Day | January | | February | | March | | April | | May | | June | |
|-----|---------|------|----------|------|-------|------|-------|------|------|------|------|------|
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | 99 | 94 | 109 | 109 | | | 119 | 119 | 122 | 121 | 120 | 120 |
| 2 | 93 | 89 | 109 | 109 | | | 120 | 119 | 119 | 119 | 120 | 120 |
| 3 | 89 | 87 | 124 | 109 | | | 130 | 119 | 119 | 119 | 120 | 120 |
| 4 | 88 | 87 | 124 | 123 | | | 140 | 110 | 119 | 119 | 120 | 120 |
| 5 | 88 | 88 | 124 | 123 | | | 110 | 110 | 119 | 119 | 120 | 120 |
| 6 | 88 | 86 | 124 | 124 | | | 110 | 110 | 119 | 119 | 120 | 120 |
| 7 | 87 | 86 | 125 | 124 | | | 110 | 110 | 119 | 119 | 120 | 120 |
| 8 | 86 | 86 | 125 | 125 | | | 110 | 110 | 119 | 119 | 120 | 120 |
| 9 | 86 | 86 | 125 | 125 | | | 110 | 110 | 119 | 119 | 120 | 120 |
| 10 | 86 | 86 | 129 | 125 | | | 110 | 110 | 119 | 119 | 120 | 120 |
| 11 | 115 | 86 | 129 | 129 | | | 110 | 110 | 118 | 118 | 120 | 118 |
| 12 | 115 | 115 | 130 | 129 | | | 110 | 110 | 118 | 118 | 118 | 116 |
| 13 | 115 | 115 | 130 | 130 | | | 110 | 110 | 118 | 118 | 118 | 109 |
| 14 | 115 | 115 | 130 | 130 | 130 | 130 | 110 | 110 | 118 | 118 | 109 | 91 |
| 15 | 115 | 110 | 130 | 130 | 130 | 130 | 110 | 110 | 118 | 117 | 100 | 60 |
| 16 | 110 | 110 | 130 | 130 | 130 | 130 | 110 | 110 | 117 | 117 | 98 | 87 |
| 17 | 110 | 110 | 130 | 130 | 130 | 130 | 110 | 110 | 117 | 117 | 112 | 75 |
| 18 | 110 | 110 | 130 | 130 | 130 | 130 | 110 | 110 | 117 | 117 | 112 | 112 |
| 19 | 110 | 110 | 127 | 122 | 130 | 124 | 110 | 110 | 117 | 117 | 112 | 112 |
| 20 | 110 | 110 | 122 | 122 | 126 | 124 | 110 | 110 | 118 | 118 | 112 | 112 |
| 21 | 110 | 110 | 122 | 122 | 126 | 118 | 114 | 110 | 118 | 118 | 112 | 112 |
| 22 | 110 | 110 | | | 118 | 118 | 120 | 114 | 118 | 118 | | |
| 23 | 110 | 110 | | | 118 | 118 | 120 | 118 | 118 | 118 | | |
| 24 | 110 | 110 | | | 118 | 118 | 126 | 120 | 118 | 118 | | |
| 25 | 110 | 110 | | | 118 | 118 | 126 | 113 | 118 | 118 | | |
| 26 | 120 | 110 | | | 118 | 118 | 122 | 118 | 118 | 118 | | |
| 27 | 109 | 109 | | | 118 | 118 | 131 | 121 | 118 | 118 | | |
| 28 | 109 | 109 | | | 119 | 119 | 121 | 121 | 118 | 118 | | |
| 29 | 109 | 109 | | | 119 | 119 | 121 | 121 | 118 | 118 | | |
| 30 | 109 | 109 | | | 119 | 119 | 121 | 121 | 120 | 120 | | |
| 31 | 109 | 109 | | | 119 | 119 | | | 120 | 120 | | |

Daily minimum and maximum electrical conductivity for Sacramento River below Keswick, 1983

| Day | May | | June | | July | | August | | September | | October | | November | | December | |
|-----|------|------|------|------|------|------|--------|------|-----------|------|---------|------|----------|------|----------|------|
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | | | 92 | 70 | 90 | 90 | 90 | 90 | 91 | 91 | 93 | 93 | 99 | 99 | 109 | 105 |
| 2 | | | 83 | 79 | 90 | 90 | 90 | 90 | 91 | 91 | 92 | 91 | 99 | 98 | 115 | 115 |
| 3 | | | 83 | 82 | 90 | 90 | 90 | 90 | 98 | 91 | 90 | 90 | 98 | 98 | 115 | 115 |
| 4 | | | 85 | 83 | 90 | 90 | 90 | 90 | 98 | 98 | 90 | 90 | 98 | 98 | 115 | 115 |
| 5 | 100 | 20 | 85 | 84 | 90 | 90 | 90 | 90 | 98 | 98 | 91 | 91 | 98 | 98 | 115 | 115 |
| 6 | 90 | 18 | 84 | 84 | 90 | 90 | 90 | 90 | 100 | 98 | 91 | 91 | 98 | 98 | 115 | 115 |
| 7 | 82 | 71 | 84 | 84 | 91 | 91 | 90 | 83 | 95 | 91 | 91 | 91 | 101 | 98 | 115 | 115 |
| 8 | 84 | 77 | 84 | 84 | 91 | 91 | 83 | 83 | 91 | 91 | 91 | 91 | 101 | 101 | 114 | 113 |
| 9 | | | 89 | 84 | 92 | 92 | 83 | 83 | 91 | 91 | 90 | 90 | 101 | 101 | 113 | 105 |
| 10 | | | 88 | 77 | 92 | 91 | 82 | 82 | 91 | 91 | 90 | 90 | 101 | 101 | 105 | 105 |
| 11 | | | 90 | 84 | 91 | 91 | 82 | 82 | 91 | 91 | 90 | 90 | 101 | 101 | 105 | 100 |
| 12 | | | 90 | 90 | 91 | 91 | 83 | 82 | 92 | 91 | 90 | 90 | 109 | 100 | 105 | 80 |
| 13 | | | 90 | 90 | 91 | 91 | 84 | 83 | 92 | 90 | 90 | 90 | 105 | 105 | 110 | 95 |
| 14 | | | 90 | 90 | 91 | 90 | 84 | 84 | 92 | 92 | 92 | 91 | 200 | 103 | 106 | 92 |
| 15 | | | 90 | 90 | 90 | 90 | 84 | 84 | 92 | 92 | 100 | 92 | 109 | 104 | 90 | 81 |
| 16 | | | 90 | 90 | 90 | 90 | 83 | 83 | 97 | 91 | 100 | 100 | 110 | 107 | 90 | 80 |
| 17 | | | 90 | 90 | 90 | 90 | 96 | 83 | 97 | 97 | 100 | 100 | 110 | 110 | 89 | 82 |
| 18 | | | 90 | 90 | 90 | 90 | 96 | 96 | | | 100 | 100 | 110 | 110 | 110 | 75 |
| 19 | | | 90 | 90 | 90 | 90 | 96 | 96 | | | 97 | 97 | 110 | 110 | 101 | 102 |
| 20 | | | 90 | 90 | 90 | 90 | 96 | 90 | | | 97 | 96 | 111 | 111 | 101 | 101 |
| 21 | | | 90 | 90 | 90 | 90 | 91 | 91 | | | 98 | 98 | 111 | 111 | 101 | 101 |
| 22 | 94 | 93 | 90 | 90 | 90 | 90 | 91 | 91 | 100 | 100 | 610 | 15 | 111 | 111 | 101 | 101 |
| 23 | 95 | 94 | 90 | 90 | 90 | 90 | 91 | 91 | 101 | 98 | 102 | 102 | 100 | 100 | 118 | 101 |
| 24 | 100 | 94 | 90 | 90 | 90 | 90 | 91 | 91 | 99 | 98 | 102 | 100 | 100 | 100 | 118 | 118 |
| 25 | 101 | 94 | 91 | 90 | 90 | 90 | 91 | 91 | 157 | 100 | 100 | 99 | 100 | 100 | 118 | 115 |
| 26 | 105 | 99 | 91 | 91 | 90 | 90 | 91 | 91 | 105 | 105 | 99 | 99 | 100 | 100 | 115 | 111 |
| 27 | 103 | 92 | 91 | 91 | 90 | 90 | 91 | 91 | 105 | 105 | 99 | 99 | 100 | 100 | 111 | 110 |
| 28 | 93 | 92 | 91 | 90 | 90 | 90 | 91 | 91 | 102 | 101 | 98 | 98 | 100 | 100 | | |
| 29 | 92 | 92 | 90 | 90 | 90 | 90 | 91 | 91 | 180 | 100 | 98 | 98 | 100 | 100 | | |
| 30 | 92 | 92 | 90 | 90 | 90 | 90 | 91 | 91 | 101 | 101 | 99 | 99 | 100 | 100 | | |
| 31 | 92 | 92 | | | 90 | 90 | 91 | 91 | 101 | 101 | 99 | 99 | 119 | 118 | | |
| | | | | | | | | | | | 99 | 92 | | | | |

Daily minimum and maximum electrical conductivity for Sacramento River below Keswick, 1984

| Day | January | | February | | March | | April | | May | | June | |
|-----|---------|------|----------|------|-------|------|-------|------|------|------|------|------|
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1 | | | | | 110 | 110 | 110 | 108 | 113 | 113 | 116 | 115 |
| 2 | | | | | 114 | 110 | 119 | 109 | 113 | 113 | 116 | 110 |
| 3 | | | 115 | 114 | 115 | 114 | 111 | 108 | 118 | 115 | 111 | 109 |
| 4 | | | 117 | 114 | 115 | 115 | 105 | 102 | 118 | 118 | 109 | 109 |
| 5 | | | 133 | 123 | 115 | 115 | 102 | 102 | 117 | 113 | 109 | 109 |
| 6 | | | 140 | 128 | 115 | 115 | 102 | 102 | 115 | 112 | 109 | 109 |
| 7 | | | 142 | 128 | 114 | 114 | 102 | 102 | 114 | 112 | 118 | 109 |
| 8 | | | 135 | 128 | 114 | 114 | 111 | 101 | 113 | 113 | 119 | 118 |
| 9 | | | 128 | 125 | 114 | 114 | 106 | 106 | 114 | 113 | 115 | 115 |
| 10 | | | 137 | 132 | 117 | 115 | 100 | 106 | 115 | 113 | 116 | 115 |
| 11 | | | 128 | 113 | 118 | 117 | 107 | 106 | 115 | 115 | 118 | 117 |
| 12 | | | 125 | 120 | 117 | 117 | 106 | 105 | 122 | 115 | 118 | 118 |
| 13 | | | 125 | 120 | 117 | 117 | 106 | 106 | 122 | 120 | 118 | 118 |
| 14 | | | 125 | 120 | 113 | 113 | 106 | 104 | 120 | 120 | 118 | 117 |
| 15 | | | 121 | 119 | 113 | 112 | 106 | 105 | 121 | 120 | 118 | 115 |
| 16 | | | 118 | 117 | 113 | 111 | 107 | 104 | 121 | 15 | 116 | 114 |
| 17 | | | 119 | 116 | 111 | 110 | 108 | 106 | 105 | 30 | 117 | 115 |
| 18 | | | 118 | 116 | 111 | 110 | 106 | 103 | 120 | 78 | 117 | 115 |
| 19 | | | 117 | 115 | 111 | 110 | 105 | 103 | 130 | 100 | 117 | 115 |
| 20 | | | 115 | 110 | 110 | 110 | 118 | 112 | 129 | 101 | 118 | 116 |
| 21 | | | 110 | 105 | 111 | 110 | 116 | 112 | 127 | 113 | 116 | 116 |
| 22 | | | 108 | 105 | 111 | 110 | 115 | 113 | 122 | 95 | | |
| 23 | | | 103 | 102 | 111 | 111 | 115 | 115 | 121 | 121 | | |
| 24 | | | 101 | 98 | 111 | 111 | 116 | 115 | 121 | 121 | | |
| 25 | | | 101 | 98 | 111 | 111 | 116 | 114 | 191 | 121 | | |
| 26 | | | 98 | 97 | 111 | 111 | 116 | 113 | 250 | 148 | | |
| 27 | | | 107 | 97 | 111 | 111 | 115 | 112 | 185 | 80 | | |
| 28 | | | 107 | 107 | 110 | 110 | 114 | 111 | 131 | 111 | | |
| 29 | | | 110 | 107 | 110 | 110 | 115 | 113 | 150 | 131 | | |
| 30 | | | | | 109 | 109 | 113 | 113 | 115 | 115 | | |
| 31 | | | | | 110 | 109 | | | 115 | 115 | | |

